

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Sheet 1 of 1 - Victoria B.C.

Kamloops, B.C.

Phone 374-0544

092H/15

821074

PROPERTY SNOWFLAKE

HOLE No. SF-83-2

| DIP AND AZIMUTH TEST |       |         |
|----------------------|-------|---------|
| Corrected            |       |         |
| Footage              | Angle | Azimuth |
|                      |       |         |
|                      |       |         |
|                      |       |         |

Core Size NQ  
 Angle of Hole 45°  
 Claim    
 Section 080°  
 Bearing  

Total Depth 9.27m Sheet No 1 of 9  
 % Recovery 94% Logged by J.M.D.  
 Elev. Collar   Date Begun Sept. 29/83  
 Latitude 3 + 85NW Date Finished Oct. 3/83  
 Departure 6 + 30SW Core Stored At Kamloops

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |
|-----------|-----------|--|------------|-----------------|--------|--------|--------|
|           |           | Hole Cased to 22.8m.   |            |                 |        |        |        |
| meters    |           |  |            |                 |        |        |        |
| 22.8-23.4 | 0         | Medium grained, green grey typical Nicola andesite flows; minor quartz veining; no sulphides; minor sedimentary layers 2-5 cm thick. |            |                 |        |        |        |
| 23.4-24   | 0         | Primarily greenish Nicola andesitic flows scattered disseminated pyrite.   | 5559       | 22.8-24.4       | 50     | 1.2    | 59     |
| 24-24.4   | 5 cm      | Similar to last section; minor quartz veining approximately parallel to core axis; minor disseminated pyrite.                        |            |                 |        |        |        |
| 24.4-25.6 | 30 cm     | Similar to last section; no pyrite   |            |                 |        |        |        |
| 25.6-25.9 | 0         | Similar to last section; minor scattered pyrite  | 5560       | 24.4-25.9       | 5      | 1.0    | 105    |
| 25.9-27.1 |           | Similar typical Nicola greenstone-traces pyrite  | 5561       | 25.9-27.4       | 5      | .8     | 55     |
|           |           |  |            |                 |        |        |        |
|           |           |  |            |                 |        |        |        |
|           |           |  |            |                 |        |        |        |

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Kamloops, B.C.  
Phone 374-0544

0924/15

821074

PROPERTY SNOWFLAKE

HOLE No. SF-83-2

| DIP AND AZIMUTH TEST |       |         |
|----------------------|-------|---------|
| Corrected            |       |         |
| Footage              | Angle | Azimuth |
|                      |       |         |
|                      |       |         |
|                      |       |         |

Core Size NQ  
Angle of Hole -45°  
Claim  
Section  
Bearing 080°

Total Depth 9.27m  
% Recovery 94%  
Elev. Collar  
Latitude 3 + 85NW  
Departure 6 + 30SW

Sheet No 1 of 9  
Logged by J.M.D.  
Date Begun Sept. 29/83  
Date Finished Oct. 3/83  
Core Stored At Kamloops

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |
|-----------|-----------|--|------------|-----------------|--------|--------|--------|
|           |           | Hole Cased to 22.8m.   |            |                 |        |        |        |
| meters    |           |  |            |                 |        |        |        |
| 22.8-23.4 | 0         | Medium grained, green grey typical Nicola andesite flows; minor quartz veining; no sulphides; minor sedimentary layers 2-5 cm thick. |            |                 |        |        |        |
| 23.4-24   | 0         | Primarily greenish Nicola andesitic flows scattered disseminated pyrite.   | 5559       | 22.8-24.4       | 50     | 1.2    | 59     |
| 24-24.4   | 5 cm      | Similar to last section; minor quartz veining approximately parallel to core axis; minor disseminated pyrite.                        |            |                 |        |        |        |
| 24.4-25.6 | 30 cm     | Similar to last section; no pyrite   | 5560       | 24.4-25.9       | 5      | 1.0    | 105    |
| 25.6-25.9 | 0         | Similar to last section; minor scattered pyrite  |            |                 |        |        |        |
| 25.9-27.1 |           | Similar typical Nicola greenstone-traces pyrite  | 5561       | 25.9-27.4       | 5      | .8     | 55     |
|           |           |  |            |                 |        |        |        |
|           |           |  |            |                 |        |        |        |
|           |           |  |            |                 |        |        |        |



| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au(ppb) | Ag(ppm) | Cu(ppm) |
|-----------|-----------|--|------------|-----------------|---------|---------|---------|
| 27.1-27.8 | 5 cm      | Similar to last section  |            |                 |         |         |         |
| 27.8-28.3 | 0         | Similar greenstone; becoming more fractional toward end of section.  | 5562       | 27.4-28.9       | 20      | .9      | 69      |
| 28.3-29.2 | 25 cm     | Highly fractured fine grained andesite   |            |                 |         |         |         |
| 29.2-29.8 | 0         | Fractured andesite flow or tuff for first section then less broken green grey andesite tuff with 1 or more bands (2-5 cm wide) of green dense chert @ ~ 65° to core axis; minor disseminated pyrite. | 5563       | 28.9-30.4       | 20      | .9      | 220     |
| 29.8-30.4 | 20 cm     | Green grey andesite flows of ? tuffs   |            |                 |         |         |         |
| 30.4-30.7 | 5 cm      | Fine grained andesite flow or ? tuff   |            |                 |         |         |         |
| 30.7-32   | 0         | Green grey andesite tuff with several narrow interbeds of fine greenish cherty mudstone; 60-70° to core axis.  | 5564       | 30.4-32         | 5       | .8      | 104     |
| 32-33.2   |           | Medium to fine grained andesite flows or ? tuffs; minor quartz stringer; minor epidote clots & veinlets.   | 5565       | 32-33.5         | 5       | .8      | 55      |

PROPERTY Snowflake HOLE No. Sf-83-2 SHEET No. 4 of 9

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag | Cu  |  |
|-----------|-----------|---|------------|-----------------|-----|----|-----|--|
| 46.4-48.1 | 0         | Green grey fine grained andesite with some agglomerate horizons; some stringers and small blebs of epidote. | 5574       | 45.7-47.2       | 5   | .8 | 149 |  |
| 48.1-49.6 | 7.6 cm    | Grey green fine to medium grained andesite; trace pyrite.   | 5575       | 47.2-48.7       | 10  | .9 | 132 |  |
| 49.6-50.5 | 50.8 cm   | Medium to fine grained green grey andesite slightly porphyritic in part; minor greenish chert interbeds.    | 5576       | 48.7-50.2       | < 5 | .8 | 25  |  |
| 50.5-50.9 | 0         | Fine grained grey green andesite.   |            |                 |     |    |     |  |
| 50.9-51.2 | 5 cm      | Similar to last section   |            |                 |     |    |     |  |
| 51.2-51.6 | 35.5 cm   | Similar to last section   |            |                 |     |    |     |  |
| 51.6-52.1 | 17.7 cm   | Similar to last section   | 5577       | 50.2-51.8       | < 5 | .8 | 46  |  |
| 52.1-52.5 | 25.4 cm   | Similar to last section   |            |                 |     |    |     |  |
| 52.5-53.3 | 5 cm      | Green grey slightly porphyritic andesite flows  | 5578       | 51.8-53.3       | < 5 | .8 | 60  |  |
| 53.3-54.2 | 40.6 cm   | Fault zone - gouge cemented by clacite from 53.9-54.2 m.  |            |                 |     |    |     |  |
|           |           |   |            |                 |     |    |     |  |
|           |           |   |            |                 |     |    |     |  |
|           |           |   |            |                 |     |    |     |  |

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PROPERTY Snowflake HOLE No. SF-83-2 SHEET No. 3 of 9

| DEPTH                      | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au | Ag  | Cu  |
|----------------------------|-----------|--|------------|-----------------|----|-----|-----|
| 33.2-33.8.<br><i>16.30</i> | 0         | Highly fractured green grey andesite tuff ?  |            |                 |    |     |     |
|                            |           |  | 5566       | 33.5-35         | 5  | .9  | 59  |
| 33.8-35.6                  | 0         | Andesite tuff grading to medium to coarse green grey volcanic wacke; fragments up to 2-5 cm across, tracer pyrite. |            |                 |    |     |     |
| <i>54</i>                  |           |  | 5567       | 35-36.5         | 10 | .8  | 80  |
| 35.6-37.4<br><i>34.61</i>  | 0         | Green grey coarse volcanic wacke; minor scattered pyrite; fairly solid, relatively unaltered core.                 | 5568       | 36.5-38.1       | 35 | .8  | 91  |
| 37.4-40.5                  | 0         | Green grey volcanic wacke or agglomerate; fragments to   |            |                 |    |     |     |
| <i>38.0</i>                |           | 2-5cm diameter; 2 cm quartz vein runs down core axis   | 5569       | 38.1-39.6       | 40 | 1.9 | 173 |
| <i>10</i>                  |           | from 39.3 to 40.3 m, scattered grains of pyrite ~  |            |                 |    |     |     |
|                            |           | this quartz vein; minor chalcopyrite @ ~ 130°  | 5570       | 39.6-41         | 60 | 1.9 | 363 |
|                            |           | pyrite stringers   |            |                 |    |     |     |
|                            |           |  | 5571       | 41-42.6         | 20 | .9  | 128 |
| 40.5-43.2<br><i>40.10</i>  | 0         | Similar green grey agglomerate or volcanic wacke; minor scattered pyrite grains.                                   |            |                 |    |     |     |
|                            |           |  | 5572       | 42.6-44.1       | 5  | .9  | 99  |
| 43.2-44.5                  |           | Similar to last section; minor quartz vein at 45° to core axis.  |            |                 |    |     |     |
| 44.5-46                    |           | Similar to last section; core very broken in last 20cm section.  | 5573       | 44.1-45.7       | 5  | .9  | 101 |
| 46-46.4<br><i>42.86</i>    | 0         | Similar green grey chloritic fragmental agglomerate or ? wacke.  |            |                 |    |     |     |



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PROPERTY Snowflake HOLE No. SF-83-2 SHEET No. 6 of 9

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu  |
|-----------|-----------|---|------------|-----------------|-----|-----|-----|
| 63-64.6   | 0         | Green grey andesite tuff with scattered thin bands of cherty mudstone - grading to coarse volcanic wacke in last 30 cm section.                     | 5585       | 62.4-64         | < 5 | .9  | 104 |
|           |           |   | 5586       | 64-65.5         | < 5 | .9  | 82  |
| 64.6-67.6 | 0         | Grey green andesite tuff and volcaniclastics with scattered minor thin interbeds of cherty argillite; traces of pyrite.                             | 5587       | 65.5-67         | < 5 | .9  | 86  |
|           |           |   | 5588       | 67-68.5         | < 5 | .9  | 24  |
| 67.6-69.1 | 0         | Primarily coarse volcanic wacke or agglomerate.   |            |                 |     |     |     |
| 69.1-70.1 | 0         | Grey green volcanic wacke or andesite tuff.   | 5589       | 68.5-70.1       | < 5 | .9  | 110 |
| 70.1-70.7 | 5 cm      | Similar tuff and sediments 70° to core axis to 70.4 m, then dark grey to black argillite with scattered grains and cubes of pyrite.                 |            |                 |     |     |     |
| 70.7-71.3 | 10 cm     | Primarily black graphitic argillite with disseminated grains and fine grained bands of pyrite -3 to 5%, last 30 cm section essentially fault gouge. | 5590       | 70.1-71.6       | 5   | 1.0 | 135 |
| 71.3-71.9 | 20 cm     | Andesite flows with minor interbands of cherty argillite.   |            |                 |     |     |     |

| DEPTH     | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE | Au  | Ag  | Cu  |  |
|-----------|--------------|---|------------|--------------------|-----|-----|-----|--|
| 71.9-72.2 | 15 cm        | Similar to last section   |            |                    |     |     |     |  |
| 72.2-73.1 | 0            | Primarily black graphitic argillite with scattered grains and thin bands of pyrite. Minor sillstone interbeds @ 45° to core axis. | 5591       | 71.6-73.1          | 10  | 1.3 | 106 |  |
| 73.1-74   | 20 cm        | Similar to last section   |            |                    |     |     |     |  |
| 74-74.9   |              | Black graphitic argillite with frequent bands and scattered grains of pyrite. 3-5% pyrite; bedding at 75° to core axis.           | 5592       | 73.1-74.6          | < 5 | 1.5 | 129 |  |
| 74.9-76.8 | 0            | Similar to last section.  | 5593       | 74.6-76.2          | < 5 | 1.2 | 135 |  |
| 76.8-77.7 | 0            | Similar to last section; minor quartz, calcite veining - 3-5% pyrite.   | 5594       | 76.2-77.7          | 5   | 1.5 | 116 |  |
| 77.7-78.3 | 20 cm        | Black graphitic argillite; only minor pyrite.   |            |                    |     |     |     |  |
| 78.3-78.9 | 30 cm        | Similar to last section; minor fine grained disseminated pyrite.  |            |                    |     |     |     |  |
| 78.9-79.2 | 7.6 cm       | Black, cherty argillite; fine grained blebs of pyrite spread through rock - 3-5% pyrite.  | 5595       | 77.7-79.2          | 20  | 2.0 | 158 |  |



PROPERTY Snowflake HOLE No. SF-83-2 SHEET No. 8 of 9

| DEPTH     | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE | Au | Ag  | Cu  |
|-----------|--------------|---|------------|--------------------|----|-----|-----|
| 79.2-79.7 | 10 cm        | Similar to last section; pyrite looks syngenetic;<br>bedding at 75° to core axis. |            |                    |    |     |     |
| 79.7-80.4 | 0            | Similar to last section   |            |                    |    |     |     |
|           |              |   | 5596       | 79.2-80.7          | 30 | 2.0 | 158 |
| 80.4-81   | 7.6 cm       | Similar to last section   |            |                    |    |     |     |
| 81-81.3   | 0            | Similar to last section.  |            |                    |    |     |     |
| 81.3-81.8 | 0            | Similar to last section   |            |                    |    |     |     |
| 81.8-82.2 | 7.6 cm       | Black graphitic argillite; minor fine grained<br>disseminated pyrite              | 5597       | 80.7-82.2          | 10 | 1.9 | 155 |
| 82.2-82.9 | 0            | Similar to last section; 2% pyrite as very fine<br>disseminated grains.           |            |                    |    |     |     |
| 82.9-83.5 | 0            | Similar to last section   |            |                    |    |     |     |
|           |              |   | 5598       | 82.2-83.8          | 10 | 1.8 | 170 |
| 83.5-84.1 | 0            | Similar to last section; minor silty horizons<br>and pyrite grains.               |            |                    |    |     |     |
| 84.1-84.4 | 0            | Similar black cherty argillite with 2-3% pyrite as<br>fine scattered grains.      |            |                    |    |     |     |
|           |              |   |            |                    |    |     |     |
|           |              |   |            |                    |    |     |     |
|           |              |   |            |                    |    |     |     |

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Suite 200 310 West St.  
Kamloops, B.C.  
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PROPERTY Snowflake HOLE No. SF-83-2 SHEET No. 9 of 9

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu  |  |
|-----------|-----------|---|------------|-----------------|-----|-----|-----|--|
| 84.4-85.3 | 15 cm     | Similar to last section; thin silty bands @ 40°<br>to core axis.  | 5599       | 83.8-85.3       | < 5 | 2.0 | 123 |  |
| 85.3-85.6 | 0         | Similar to last section   |            |                 |     |     |     |  |
| 85.6-85.9 | 7.6 cm    | Similar to last section   |            |                 |     |     |     |  |
| 85.9-86.5 | 35 cm     | Similar to last section   | 5600       | 85.3-86.8       | < 5 | 1.7 | 132 |  |
| 86.5-87.1 | 0         | Similar to last section   |            |                 |     |     |     |  |
| 87.1-87.7 | 0         | Similar to last section   |            |                 |     |     |     |  |
| 87.7-88.3 | 0         | Similar to last section   | 5601       | 86.8-88.3       | < 5 | 1.4 | 135 |  |
| 88.3-89.9 | 0         | Dark grey to black graphitic argillite; scattered<br>quartz grains and stringers; <1% pyrite; minor<br>calcite stringers. | 5602       | 88.3-89.9       | < 5 | 1.4 | 110 |  |
| 89.9-92   | 0         | Dark grey to black graphitic argillite; calcite<br>stringers more common; minor pyrite.                                   | 5603       | 89.9-92         | < 5 | 1.8 | 102 |  |
| 92-93.2   | 30.4 cm   | Fault zone - core lost - bad coring   |            |                 |     |     |     |  |
|           |           | END OF HOLE   |            |                 |     |     |     |  |
|           |           |   |            |                 |     |     |     |  |
|           |           |   |            |                 |     |     |     |  |

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St

Kamloops, B.C.

Phone 374 0544

PROPERTY SNOWFLAKE

HOLE No. SF-83-1

| DIP AND AZIMUTH TEST |           |         |
|----------------------|-----------|---------|
| Footage              | Angle     | Azimuth |
|                      | Corrected |         |
|                      |           |         |
|                      |           |         |
|                      |           |         |

Core Size NQ  
 Angle of Hole -45  
 Claim.....  
 Section.....  
 Bearing 265° T

Total Depth 106.98m  
 % Recovery 85%  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 1 of 13  
 Logged by J.M. Dawson  
 Date Begun Sept. 19/83  
 Date Finished Sept. 23/83  
 Core Stored At Kamloops

| DEPTH   | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au(ppb) | Ag  | Cu  |
|---------|-----------|---|------------|-----------------|---------|-----|-----|
|         |           | 0 - 15m casing  | 5501       | 15-16.7m        | 115     | 1.9 | 65  |
| 15-16m  | .6m       | Greenish grey to brown, porphyritic typical Nicola volcanic flows; some surface limonitic staining, however rock is relatively unaltered; minor quartz stringers up to .6cm wide at 70° to core axis. | sludge     | 15-18           | 280     | 1.5 | 67  |
| 16-16.4 | 5cm       | Similar to last section   |            |                 |         |     |     |
| 16.4-18 | .7m       | Similar to last section; becoming more pervasively limonite stained and ? argillically altered in last .3m section.   | 5502       | 16.7-18         | 45      | 2.1 | 66  |
| 18-19.5 | .3m       | Light brownish, intensively limonite stained and slightly to moderately argillically altered volcanics; scattered thin quartz and calcite veinlers. - no py noted in veins or in rock                 | sludge     | 18-21.3         | 30      | 1.1 | 129 |
| 19.5-20 | 0         | Similar to last section   | 5503       | 18-19.8         | 5       | 1.3 | 149 |



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PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 2 of 13

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au(ppb) | Ag  | Cu  |  |
|-----------|-----------|--|------------|-----------------|---------|-----|-----|--|
| 20-21.3   | 20cm      | Highly altered, friable, <i>acid limonite</i> light brown sheared<br>Nicola volcanics. <i>st + mod. calcite</i>  | 5504       | 19.8-21.3       | 20      | 1.2 | 153 |  |
| 21.3-22.2 | .3m       | Moderately altered light brown Nicola volcanics;<br>minor narrow quartz stringers. <i>acid</i> <i>with rock + of sil - hard to 1 cm</i>  | 5505       | 21.3-22.8       | <5      | 1.3 | 29  |  |
| 22.2-23.1 | 7.6cm     | Similar to last section, some narrow zones<br>more friable. <i>acid scattered py bleb in volc, less in Q.V.</i>  | sludge     | 21.3-24.3       | 10      | .9  | 95  | <i>7 ml<br/>1.12 kg<br/>21 cc<br/>9.2 ml</i> |
| 23.1-24.3 | 7.6cm     | <i>oxidized</i> Pale brownish, limonite stained but only slightly<br>altered Nicola volcanics; scattered narrow quartz<br>stringers at 30° to core axis. <i>acid py in volc + Q.V.</i> | 5506       | 22.8-24.3       | 5       | .7  | 37  |  |
|           |           | <i>Q stages - fracture filling - often splays</i>  | 5507       | 24.3-25.9       | <5      | .8  | 54  |  |
| 24.3-26.5 | 10cm      | <i>to 1 cm acid, py + mod green clasts in acid ex.</i> Pale brownish to dark green, relatively unaltered<br>Nicola volcanics; some scattered narrow quartz and<br>calcite veinlets.    | sludge     | 24.3-27.4       | 5       | .7  | 59  |  |
| 26.5-27.4 | 45.7cm    | Highly altered, limonite stained and friable gouge<br>zone.  | 5508       | 25.9-27.4       | 35      | 1.8 | 58  |  |
| 27.4-30.4 | 25.4cm    | Presumably gouge zone from major fault; no core<br>recovery.   |            |                 |         |     |     |  |
| 30.4-31   | 55.8cm    | Pale greenish grey, fine grained volcanics? - <i>soft</i>  | sludge     | 27.4-30.4       | <5      | .9  | 120 |  |

PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 3 of 13

| DEPTH                     | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE | Au(ppb) | Ag  | Cu  |                            |
|---------------------------|--------------|---|------------|--------------------|---------|-----|-----|----------------------------|
| 31-32.3<br>(2562)         | 1.2m         | Pale buff to light greenish unoxidized Nicola volcanics; core loss probably at beginning of section where recovered material consists of small pebbles; scattered quartz stringers. | 5509       | 30.4-32            | 15      | .7  | 45  |                            |
| 32.3-32.6                 | 0            | Light to dark green Nicola porphyritic flows.   | 5510       | 32.0-33.5          | 25      | .7  | 14  |                            |
| 32.6-33.8<br>1014<br>1115 | 0            | Bleached, pale greenish moderately altered flows with minor fine grained disseminated pyrite. - 2%  | sludge     | 30.4-33.5          | 5       | .9  | 94  | 21m<br>1.2m<br>86<br>13.7m |
| 33.8-35.3                 | 1.2m         | Similar to last section.  | 5511       | 33.5-35            | <5      | 1.1 | 8   |                            |
| 35.3-36.4                 | 25.4cm       | Similar to last section; 5% fine grained pyrite as disseminated grains and stringers nearly parallel to core axis.  | 5512       | 35-36.5            | 25      | 1.2 | 159 |                            |
| 36.4-37.1<br>32.86        | 0            | Similar to last section; this rock may be a fine grained intrusive? which begins at strong fault at ~ 90'.  | 5513       | 36.5-38.1          | 30      | 2.0 | 245 |                            |
|                           |              |   | sludge     | 33.5-36.5          | 10      | .9  | 99  |                            |
| 37.1-38.7                 | 0            | Dark green to bleached pale green volcanic with some areas of minor disseminated pyrite. 1-5% or 2%   | 5514       | 38.1-39.6          | 15      | .9  | 71  |                            |

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 310  
Kamloops, B.C.  
Phone 374-0544

PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 4 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au (ppb) | Ag  | Cu  |
|-----------|-----------|---|------------|-----------------|----------|-----|-----|
| 38.7-39.4 | 22.8cm    | Pale greenish grey to white altered volcanics; minor disseminated pyrite.   | sludge     | 36.5-39.6       | 35       | 1.0 | 153 |
| 39.4-39.9 | 0         | Similar to last section; minor narrow veinlets of white quartz.   |            |                 |          |     |     |
| 39.9-40.5 | 7.6cm     | Similar bleached volcanics; minor disseminated pyrite.  |            |                 |          |     |     |
| 40.5-40.9 | 7.6cm     | Similar to last section-only trace pyrite.  | 5515       | 39.6-41.1       | <5       | .9  | 10  |
| 40.9-41.4 | 5cm       | Greenish grey to white-altered volcanics; trace pyrite; minor quartz stringers.                                   | sludge     | 39.6-42.6       | 10       | 1.0 | 70  |
| 41.4-41.7 | 0         | Greenish grey volcanics; less altered.  |            |                 |          |     |     |
| 41.7-42.2 | 0         | Similar to last section; minor f.g. pyrite on some fractures.   | 5516       | 41.1-42.6       | <5       | 1.6 | 14  |
| 42.2-42.9 | 5cm       | Light greenish grey silicified volcanics minor disseminated pyrite.   |            |                 |          |     |     |
| 42.9-44.5 | 1.2m      | Altered zone consisting of clay between quartz stringers nearly parallel to core axis; minor disseminated pyrite. | 5517       | 42.6-44.1       | 90       | 1.1 | 61  |

AN AG 4  
134 6.25 49  
3.1"



PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 5 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE            | Au(ppb) | Ag   | Cu   |
|-----------|-----------|---|------------|----------------------------|---------|------|------|
| 44.5-45.7 | .9m       | Presumably similar to last section; mostly rounded pebbles of quartz with disseminations and blebs of pyrite.   | 5518       | 44.1-45.7<br>40.5          | 175     | 1.4  | 96   |
|           |           |   | sludge     | 42.6-45.7                  | 50      | 1.9  | 175  |
| 45.7-46.1 | 12.7cm    | Similar to last section-small pebbles of quartz with scattered blebs of pyrite; presumably the clay gouge between stringers is washed away. At end of section a 5c. seam of siliceous material with 30% pyrite.   |            |                            |         |      |      |
| 46.1-46.6 | .4m       | All core lost.  |            |                            |         |      |      |
| 46.6-47.8 | 0         | From 46.6-46.8m possibly some ground pieces from last "lost" section-quartz with 15-20% pyrite and scattered minor chalcopyrite; 46.8-47.8m pale greenish grey, moderately argillically altered Nicola volcanics; scattered minor disseminated pyrite 2.5c quartz stringers at 5° to core axis at end of section. | 5519       | 45.7-47.2<br>40.5 - 41.83  | 745     | 10.5 | 1100 |
|           |           |   | sludge     | 45.7-48.7                  | 175     | 3.2  | 330  |
| 47.8-48.7 | 10cm      | Pale greenish grey altered, argillic and chloritic? volcanics ? cut by many quartz stringers almost parallel to core axis, scattered disseminated pyrite near start of section.   | 5520       | 47.2-48.7<br>41.83 - 43.16 | 40      | 2.6  | 206  |

PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 6 of 13

| DEPTH     | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE | Au(ppb) | Ag  | Cu  |
|-----------|--------------|---|------------|--------------------|---------|-----|-----|
| 48.7-49.6 | .3m          | Very broken core-sample chips; material is essentially similar to last section; scattered, very fine grained pyrite grains.           |            |                    |         |     |     |
| 49.6-50.2 | 10cm         | Similar light grey altered ? volcanics-somewhat harder; may be silicified here.   | 5521       | 48.7-50.2          | 140     | 1.2 | 39  |
| 50.2-51.2 | 0            | Similar to last section; core very broken.  |            |                    |         |     |     |
| 51.2-51.5 | 0            | Similar grey white rock-cut by many narrow quartz stringers-nearly parallel to core axis.   | sludge     | 48.7-51.8          | 150     | 2.0 | 156 |
| 51.5-52.7 | 0            | Similar to last section; minor scattered fine grained pyrite.   | 5522       | 50.2-51.8          | 85      | 1.4 | 74  |
| 52.7-53.3 | 10cm         | Similar to last section; core essentially all small chips.  | 5523       | 51.8-53.3          | 10      | .9  | 47  |
| 53.3-54.4 | 0            | Highly altered, chloritized and argillic rock with frequent quartz stringers; essentially friable, light green-grey rock with quartz. | sludge     | 51.8-54.8          | 100     | 1.8 | 134 |

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PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 7 of 13

| DEPTH     | CORE<br>LOST | DESCRIPTION  | SAMPLE No. | WIDTH<br>of SAMPLE                              | Au(ppb) | Ag  | Cu  |
|-----------|--------------|--|------------|---|---------|-----|-----|
| 54.4-54.8 | 0            | Similar to last section; minor scattered fine<br>grained pyrite.   | 5524       | 53.3-54.8<br><i>1.5</i><br><i>48.56</i>         | 210     | 1.2 | 72  |
| 54.8-55.4 | 0            | Similar highly altered rock with quartz veins<br>carrying scattered blebs of pyrite running nearly<br>parallel to core axis.   |            |   |         |     |     |
| 55.4-55.9 | 5cm          | Similar to last section; 3 minor blebs of chalco-<br>pyrite in a .8cm wide quartz stringer; minor<br>scattered pyrite. <i>Note: with grey &amp; white up to 0.4" @ 20° CA.</i><br><i>gen. scatt. pyr - ~ 3% in veins. Rock argillically alt'd.</i>   | 5525       | 54.8-56.3<br><i>1.5</i><br><i>48.66 - 49.79</i> | 810     | 4.6 | 191 |
| 55.9-56.9 | 0            | Similar light green-grey argillically altered,<br>bleached volcanics ?; very little pyrite.  | 5526       | 56.3-57.9<br><i>1.5</i><br><i>51.31</i>         | 45      | 1.0 | 56  |
|           |              |  | sludge     | 54.8-57.9                                       | 100     | 2.4 | 166 |
| 56.9-57.6 | 0            | Similar grey-white, bleached volcanics. Looks like<br>it was originally an agglomerate; fragments up to<br>3.8cm in diameter; minor scattered pyrite.  |            |   |         |     |     |
| 57.6-58.2 | 10cm         | Similar to last section; core very broken; some<br>quartz veins running down core axis; no pyrite.   |            |   |         |     |     |
| 58.2-59.4 | 0            | Light green-grey, fairly massive, hard, slightly<br>bleached agglomerate; rounded fragments up to 5cm.<br>across; few quartz stringers at 5-15° to core axis<br>in first .3m section; trace pyrite on 2 fracture<br>surfaces. <i>add pyrite clasts</i> This rock is practically unaltered. | 5527       | 57.9-59.4<br><i>1.5</i>                         | 10      | 1.0 | 68  |



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| DEPTH     | CORE<br>LOST | DESCRIPTION  | SAMPLE No. | WIDTH<br>of SAMPLE | Au(ppb) | Ag  | Cu  |
|-----------|--------------|--|------------|--------------------|---------|-----|-----|
| 59.4-60.6 | 0            | Light greenish grey, silicified, massive agglomerate   | 5528       | 59.4-60.9          | 5       | 1.1 | 89  |
|           |              | or breccia; minor quartz veins run nearly parallel to  |            |                    |         |     |     |
|           |              | core axis; no clay alteration; no pyrite.              | sludge     | 57.9-60.9          | 165     | 1.6 | 146 |
| 60.6-62.4 | 0            | Polymictic breccia or agglomerate; rounded fragments   | 5529       | 60.9-62.4          | <5      | .9  | 82  |
|           |              | up to 7-10cm across; colour change from light greenish |            |                    |         |     |     |
|           |              | grey to dark grey and fresher in last .9m section      |            |                    |         |     |     |
|           |              | of this run. <i>sl + hard,</i>                         |            |                    |         |     |     |
| 62.4-62.7 | 0            | Dark grey, fresh polymictic agglomerate.               | 5530       | 62.4-64            | <5      | 1.1 | 74  |
|           |              |  | sludge     | 60.9-64            | 250     | 1.6 | 141 |
| 62.7-63.3 | 0            | Similar to last section                                |            |                    |         |     |     |
| 63.3-64.9 | 0            | Dark grey, fresh agglomerate; minor narrow quartz      |            |                    |         |     |     |
|           |              | veinlets at 30° to core axis.                          |            |                    |         |     |     |
| 64.9-65.3 | 0            | Similar to last section; thin chert or mudstone layer- | 5531       | 64-65.5            | 10      | 1.1 | 78  |
|           |              | 5-7c thick at 65.3m lies at about 60° to core axis;    |            |                    |         |     |     |
|           |              | minor pyrite in thin layer parallel to these           |            |                    |         |     |     |
|           |              | sediments.   | sludge     | 64-67              | 125     | 1.3 | 115 |

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PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 9 of 13

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au(ppb) | Ag(ppm) | Cu(ppm) |
|-----------|-----------|--|------------|-----------------|---------|---------|---------|
| 65.3-67   | 0         | Green grey, fresh agglomerate or polymictic; volcanic agglomerate.   | 5532       | 65.5-67         | 15      | .9      | 89      |
| 67-68.5   | 0         | Similar to last section. <i>imp calc within volc rx</i>  | 5533       | 67-68.5         | 10      | 1.1     | 86      |
| 68.5-71.3 | 0         | Similar to last section; scattered minor small pyrite blebs.   | 5534       | 67-70.1         | 95      | 1.3     | 146     |
|           |           |  | 5535       | 68.5-70.1       | 20      | 1.2     | 97      |
|           |           |  | 5536       | 70.1-71.6       | 10      | 1.1     | 86      |
| 71.3-74.3 | 0         | Grey to green-grey polymictic volcanic conglomerate; 12.7cm section from 73.7m - 74.1m with 10-20% blebs and stringers of pyrite.  | 5537       | 71.6-73.1       | 135     | .5      | 192     |
|           |           |  | 5538       | 70.1-73.1       | 65      | 1.4     | 121     |
|           |           |  | 5539       | 73.1-74.6       | 800     | .035    | 20      |
|           |           |  | 5540       | 73.1-76.2       | 1150    | 4.8     | 245     |
| 74.3-76.7 | 0         | Similar rock to 74.9 then becoming more bleached and having scattered stringers and blebs of pyrite- scattered quartz veins at 10-30° to core axis; hard, bleached, light grey rock at end of section with up to 3-5% pyrite as scattered blebs up to .6cm in diameter. <i>pyr follow a few glz veins. 6m. py ~1.5%.</i>     | 5541       | 74.6-76.2       | 1500    | .066    | 17      |
|           |           |  | 5542       | 76.2-77.7       | 6800    | 4.9     | 166     |
|           |           |  | 5543       | 76.2-79.2       | 2270    | .44     | 141     |
| 76.7-78.2 | 0         | Bleached pale greenish grey flow rock ? to 77.3 scattered blebs of pyrite common - 3-5%, 1.2-1.9cm. quartz veinlet with pyrite & calcopyrite at 20° to core axis - @ 76.9m from 77.3 to 78.2, grey green homogeneous flow ? rock with similar disseminated blebs of pyrite; several thin quartz veinlets @ 30° to core axis. | 5544       | 76.2-79.2       | 2270    | 5.0     | 204     |
|           |           |  | 5545       | 77.7-79.2       | 260     | .011    | .06     |
|           |           |  | 5546       | 77.7-79.2       | 260     | 1.3     | 130     |



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PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 10 of 13

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au(ppb) | Ag(ppm) | Cu(ppm) |
|-----------|-----------|--|------------|-----------------|---------|---------|---------|
| 78.2-79.8 | 0         | Green to pale grey green, relatively fine grained homogeneous flow rock with abundant small blebs of pyrite, 2 narrow quartz veins @ 70° to core axis.                                   | 5541       | 79.2-80.7       | 60      | 1.0     | 65      |
| 79.8-81.3 | 0         | Pale green to light green grey homogeneous flow rock ? as last; similar small blebs of pyrite, one 2.5cm quartz veinlet at 30° to core axis at 81.1                                      | 5542       | 80.7-82.2       | 75      | 1.1     | 88      |
| 81.3-83.9 | 0         | f.g. flow or dike rock-partly bleached to light grey to 81.9 From 81.9 to end of section, polymictic agglomerate; mostly volcanic fragments; few scattered blebs and veinlets of pyrite. | 5543       | 82.2-83.8       | 25      | 1.5     | 82      |
| 83.9-86.3 | 10cm.     | Green to light grey conglomerate as last; variably bleached; scattered, minor pyrite blebs and stringers; minor quartz veinlets at 45° to core axis.                                     | 5544       | 83.8-85.3       | 695     | 5.7     | 95      |
| 86.3-87.4 | 10cm      | Light grey to buff, fine grained, dense altered flow or dike rock; pyrite stringers and blebs common; core very broken; pyrite stringers at 20° to core axis.                            | 5545       | 85.3-86.8       | 450     | 2.1     | 119     |



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PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 11 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE                 | Au(ppb) | Ag  | Cu   |
|-----------|-----------|---|------------|---------------------------------|---------|-----|------|
| 87.4-87.7 | 5 cm      | Similar bleached, silicified ? rock; not much pyrite here.  | sludge     | 85.3-88.3                       | 1500    | 6.3 | 1400 |
| 87.7-88.3 | 25.4cm    | Similar to last section; core very broken; shear zone ?   | 5546       | 86.8-88.3<br><i>76.92-78.27</i> | 180     | 1.4 | 87   |
| 88.3-89.3 | 7.6cm     | From 88.3-89 fine grained, dense dike or flow rock- as before; 89-89.3 silicified volcanic conglomerate. <i>odd speck py</i>                      | 5547       | 88.3-89.9<br><i>78.27</i>       | 10      | 1.1 | 50   |
| 89.3-90.2 | 0         | Green-grey volcanic conglomerate; minor quartz stringers at 30° and 45° to core axis. From 90-90.2m flow rock ?                                   |            |                                 |         |     |      |
| 90.2-90.5 | 5cm       | Green-grey porphyritic andesite flow; core very broken at start of section.   | sludge     | 88.3-91.4                       | 480     | 2.8 | 385  |
| 90.5-91.7 | 0         | 90.5-90.6m - andesite flow; from 90.6-90.7m bands of fine mudstone and conglomerate; bedding at 50° to core axis; from 90.7-91.7m - conglomerate. | 5548       | 89.9-91.4                       | <5      | 1.2 | 98   |
| 91.7-92.2 | 7.6cm     | Similar to last section   | 5549       | 91.4-92.9                       | <5      | .9  | 86   |
| 92.2-93.2 | 25.4cm    | Similar to last section   |            |                                 |         |     |      |

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Sheet No. 31 of 13  
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PROPERTY SNOWFLAKE HOLE No. SF-83-1 SHEET No. 12 of 13

| DEPTH                   | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE | Au(ppb) | Ag(ppm) | Cu(ppm) |
|-------------------------|--------------|---|------------|--------------------|---------|---------|---------|
| 93.2-93.8               | 0            | Similar to last section; 3 to 5% pyrite as              | 5550       | 92.9-94.4          | <5      | 1.0     | 108     |
| 28.14<br>30.59          |              | stringers and blebs in last 25cm section.               | sludge     | 91.4-94.4          | 250     | 2.3     | 260     |
|                         |              | 84.80 → flows   | 5551       | 94.4-96            | <5      | 1.1     | 68      |
| 93.8-96.6               | 0            | From 93.8-95.7 similar conglomerate, minor disseminated |            |                    |         |         |         |
|                         |              | pyrite; 95.7-96.6 dark grey green flows.                | sludge     | 94.4-97.5          | 140     | 2.0     | 190     |
| 96.6-97.2               | 0            | Fairly fresh augite porphyry flows, minor pyrite.       | 5552       | 96-97.5            | <5      | 1.0     | 58      |
| 28.14<br>29.16<br>30.59 |              |   |            |                    |         |         |         |
| 97.2-98                 | 0            | Similar dark green flows to 97.3m; thence               |            |                    |         |         |         |
|                         |              | bleached, light green-grey flows, cut by                |            |                    |         |         |         |
|                         |              | several quartz-calcite stringers; traces                |            |                    |         |         |         |
|                         |              | of pyrite.  |            |                    |         |         |         |
| 98-98.7                 | 15.2cm       | Mostly grey-green augite porphyry flows.                | 5553       | 97.5-99            | <5      | .9      | 61      |
|                         |              |   | sludge     | 97.5-100.5         | 175     | 2.0     | 201     |
| 98.7-100.2              | 7.6cm        | Similar to last section; minor hematite staining        |            |                    |         |         |         |
|                         |              | on some fractures.                                      | 5554       | 99-100.5           | <5      | 1.0     | 34      |
| 100.2-100.8             | 7.6cm.       | Similar to last section.                                |            |                    |         |         |         |
| 100.8-101.1             | 12.7cm       | Similar to last section.                                |            |                    |         |         |         |
| 101.1-101.4             | 0            | Similar to last section.                                | 5555       | 100.5-102.1        | <5      | .9      | 44      |

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# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.

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PROPERTY Snowflake

HOLE No. SF-83-3

*VD/HD: 66.15"*

| DIP AND AZIMUTH TEST |           |         |
|----------------------|-----------|---------|
|                      | Corrected |         |
| Footage              | Angle     | Azimuth |
| 76.2 m.              | -47°      |         |
|                      |           |         |
|                      |           |         |

Core Size N.Q.  
 Angle of Hole -45°  
 Claim.....  
 Section.....  
 Bearing 265° T

Total Depth 93.57 m.  
 % Recovery 95%  
 Elev. Collar 2356' - 1021"  
 Latitude 3...+...8.5NW  
 Departure 6 + 30SW

Sheet No 1 of 8  
 Logged by J.M.S.  
 Date Begun Oct. 6/83  
 Date Finished .....  
 Core Stored At KAMLOOPS

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |                            |
|-----------|-----------|---|------------|-----------------|--------|--------|--------|----------------------------|
|           |           | Overburden to 19.5 m.   |            |                 |        |        |        |                            |
| meters    |           |   |            |                 |        |        |        |                            |
| 19.5-22.2 | 0         | Typical grey green fresh Nicola porphyritic flows; feldspar phenocrysts up to 4 mm. long; scattered interstitial epidote; minor accessory pyrite.         | 5604       | 19.5-21.3       | 5      | 1.3    | 79     |                            |
|           |           |   | 5605       | 21.3-22.8       | 5      | 1.2    | 56     |                            |
| 22.2-25.2 | 0         | Similar Nicola andesite flows; epidote common as stringers and small blebs; minor scattered pyrite grains.  | 5606       | 22.8-24.3       | <5     | 1.1    | 106    |                            |
| 25.2-25.9 | 7.6 cm    | Pale grey to green grey andesite flows; epidote common as stringers and blebs.  | 5607       | 24.3-25.9       | <5     | 1.1    | 47     | <i>36 sample</i>           |
|           |           |   | 5608       | 25.9-27.4       | <5     | 1.2    | 73     | <i>11145</i><br><i>450</i> |
| 25.9-28.9 | 0         | From 25.9-27.4m - similar flows with scattered epidote; 27.4-28.9 becoming agglomerate - frequent epidotized fragments; minor scattered accessory pyrite. | 5609       | 27.4-28.9       | <5     | 1.3    | 116    |                            |
|           |           |   | 5610       | 28.9-30.4       | <5     | 1.1    | 86     |                            |
| 28.9-32   | 0         | Dark green grey andesitic agglomerate; some granitic fragments; frequent epidote as stringers and blebs - 5-7%.   | 5611       | 30.4-32         | <5     | 1.1    | 101    |                            |

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PROPERTY Snowflake HOLE No. SF-83-3 SHEET No. 2 of 8

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au | Ag  | Cu  |
|-----------|-----------|---|------------|-----------------|----|-----|-----|
| 32-33.8   | 0         | Similar to last section; fragments are usually epidotized.  | 5612       | 32-33.5         | 5  | 1.3 | 102 |
| 33.8-35.3 | 0         | From 33.8-34.4 m. similar agglomerate with epidotized fragments; 34.4-35.3 fresh green gray, slightly porphyritic andesite. | 5613       | 33.5-35         | 5  | 1.2 | 86  |
| 35.3-35.9 | 5 cm      | Light grey, fractured andesite; some fracture ~ parallel to core axis.  | 5614       | 35-36.5         | 5  | 1.1 | 94  |
| 35.9-36.2 | 2.5 cm    | Similar to last section   |            |                 |    |     |     |
| 36.2-37.9 | 0         | Dark green andesitic flow; minor fracture and calcite stringers approximately parallel to core axis.                        | 5615       | 36.5-38.1       | <5 | 1.3 | 86  |
| 37.9-38.7 | 0         | Similar to last section.  |            |                 |    |     |     |
| 38.7-39.6 | 10 cm     | Green grey fractured and broken andesite; very friable in last 20 <sup>cm</sup> section; minor calcite stringers.           | 5616       | 38.1-39.6       | <5 | 1.3 | 85  |
| 39.6-40.2 | 50.8 cm   | Gouge zone; most core is lost only core recovered is green grey andesite with epidote blebs.                                |            |                 |    |     |     |

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PROPERTY SNOWFLAKE HOLE No. SF-83-3 SHEET No. 4 of 8

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu  |
|-----------|-----------|--|------------|-----------------|-----|-----|-----|
| 54.2-55.3 | 7.6 cm    | Dark grey green andesite with frequent scattered blebs of epidote.         |            |                 |     |     |     |
| 55.3-55.4 | 0         | Similar to last section.   |            |                 |     |     |     |
| 55.4-56   | 5 cm      | Similar to last section.   |            |                 |     |     |     |
| 56-56.6   | 12.7 cm   | Similar to last section.   | 5627       | 54.8-56.3       | 5   | 1.1 | 63  |
| 56.6-57.6 | 10 cm     | Similar to last section.   |            |                 |     |     |     |
| 57.6-58.2 | 17.7 cm   | Green grey, fine grained andesite flows; no epidote; core very broken.     | 5628       | 56.3-57.9       | 5   | 1.1 | 101 |
| 58.2-58.8 | 0         | Similar to last section.   |            |                 |     |     |     |
| 58.8-59.4 | 0         | Similar to last section; minor scattered epidote blebs.                    | 5629       | 57.9-59.4       | < 5 | 1.1 | 79  |
| 59.4-60   | 7.6 cm    | Similar to last section.   |            |                 |     |     |     |
| 60-60.6   | 0         | Similar to last section.   |            |                 |     |     |     |
| 60.6-61.2 | 25.4 cm   | Similar green grey andesite-core highly broken.                            | 5630       | 59.4-60.9       | < 5 | 1.0 | 51  |
| 61.2-61.8 | 0         | Green grey andesite-fairly fresh with scattered circular blebs of epidote. |            |                 |     |     |     |

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| DEPTH     | CORE<br>LOST | DESCRIPTION                                       | SAMPLE No. | WIDTH<br>of SAMPLE | Au  | Ag  | Cu |
|-----------|--------------|---|------------|--------------------|-----|-----|----|
| 61.8-62.1 | 0            | Similar to last section.                          |            |                    |     |     |    |
|           |              |   | 5631       | 60.9-62.4          | < 5 | 1.0 | 48 |
| 62.1-62.7 | 12.7 cm      | Similar to last section.                          |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
| 62.7-63.3 | 43.cm        | Core ground but appears similar to last section.  |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
| 63.3-63.7 | 0            | Grey green andesite with epidote blebs as before. | 5632       | 62.4-64            | < 5 | 1.0 | 33 |
|           |              |   |            |                    |     |     |    |
| 63.7-64.6 | 68.5 cm      | Similar to last section; tube did not lock.       |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
| 64.6-65.2 | 7.6 cm       | Similar to last section.                          |            |                    |     |     |    |
|           |              |   | 5633       | 64-65.5            | < 5 | 1.1 | 76 |
| 65.2-65.8 | 20.3 cm      | Similar to last section.                          |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
| 65.8-66.7 | 0            | Similar to last section.                          |            |                    |     |     |    |
|           |              |   | 5634       | 65.5-67            | 5   | 1.0 | 75 |
| 66.7-67.3 | 7.6 cm       | Similar to last section.                          |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
| 67.3-67.6 | 2.5 cm       | Similar to last section.                          |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
| 67.6-68.2 | 0            | Similar to last section.                          |            |                    |     |     |    |
|           |              |   | 5635       | 67-68.5            | < 5 | .9  | 46 |
|           |              |   |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |
|           |              |   |            |                    |     |     |    |

# KERR-DAWSON & ASSOCIATES LTD. DIAMOND DRILL RECORD

3-31  
Kamloops, B.C.  
Phone 374-05

PROPERTY SNOWFLAKE HOLE No. SF-83-3 SHEET No. 6 of 8

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu |
|-----------|-----------|---|------------|-----------------|-----|-----|----|
| 68.2-68.8 | 22.8 cm   | From 68.2-68.5m - similar andesite but bleached and slightly hematite stained; from 68.5-68.8 bleached andesite with 60-70% banded chalcedonic quartz veins @ 40° to core axis; trace pyrite; some hematite along fracture.   |            |                 |     |     |    |
| 68.8-69   | 0         | Bleached hematite stained andesite with scattered, thin, chalcedonic quartz stringers at 45° to core axis - estimate 5-8% quartz.   |            |                 |     |     |    |
| 69-69.7   | 0         | Similar to last section; 1-2% quartz  | 5636       | 68.5-70.1       | < 5 | 1.0 | 48 |
| 69.7-70.4 | 0         | First 30cm is similar pink, altered, hematite stained andesite with minor, very narrow quartz stringers; very finely divided pyrite in 2 of them; last half of section is bleached grey white altered andesite with traces of hairline quartz stringers 2-3% quartz in section; 40° to core axis. |            |                 |     |     |    |
| 70.4-72.2 | 0         | Pinkish buff to white altered andesite with minor narrow quartz and quartz calcite veinlets - @ 40° to core axis; < 1% quartz.  | 5637       | 70.1-71.6       | < 5 | 1.0 | 19 |



| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE            | Au  | Ag  | Cu  |
|-----------|-----------|---|------------|----------------------------|-----|-----|-----|
| 72.2-73.1 | 25.4 cm   | From 72.2-72.4 m similar to last section with 10% quartz stringers and veinlets; 72.3 - 73.1 cm.  | 5638       | 71.6-73.1                  | < 5 | 1.1 | 67  |
|           |           | light grey less altered andesite with minor quartz veinlets - 1-2% quartz; core highly broken.  |            |                            |     |     |     |
| 73.1-74.3 | 0         | Highly broken greyish weakly altered andesite; scattered very narrow quartz veinlets - 1-2% quartz.   | 5639       | 73.1-74.6<br>proj. (66.8') | < 5 | 1.2 | 143 |
| 74.3-74.9 | 15.2 cm.  | Similar to last section; 5 cm vein of calcite at end of section.  |            |                            |     |     |     |
| 74.9-75.8 | 15.2 cm   | Highly broken greyish andesite; scattered narrow quartz veinlets; minor very fine grained pyrite on some fractures.   | 5640       | 74.6-76.2                  | 20  | 1.0 | 146 |
| 75.8-76.8 | 10 cm     | Similar to last section - 1-2% quartz as very narrow veinlets; some running nearly down core axis; minor very finely divided pyrite.  |            |                            |     |     |     |
| 76.8-78.3 | 0         | Grey to green grey; very broken andesite and andesite agglomerate. last 45.7c is definitely less altered; minor quartz veinlets and minor very finely divided pyrite as scattered grains. | 5641       | 76.2-77.7                  | 5   | 1.2 | 140 |

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Phone 374-05

SHEET No. 8 of 8

83.187.14.6  
1.9 Am  
1.2 Mg  
1.27 Am  
9.2  
94 Am  
1.3 Mg  
1.00 Ca  
6.1  
44 Am  
1.0 11.5  
93 Ca  
3.6



Suite 1 - 219 Victoria St  
Kamloops, B.C.  
Phone 374-0544

HOLE No. .... SF-83-4

95.4 m.  
95%

Sheet No. 1 of 8  
 Logged by W. Gruenwald  
 Date Begun Oct. 14/83  
 Date Finished Oct. 17/83  
 Core Stored At Kamloops

Core Size ..... N.Q.  
Angle of Hole ..... -45°  
Claim.....  
Section.....  
Bearing ..... 265° Az

[illegible]



PROPERTY SNOWFLAKE HOLE No. SF-83-4 SHEET No. 2 of 8

| DEPTH                                       | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au    | Ag  | Cu |
|---|-----------|---|------------|-----------------|-------|-----|----|
| 32.3-33.8                                   | 15.2 cm   | Greenish, fine grained porphyritic Nicola andesitic flow with abundant epidote (propylitic alteration).   | 5655       | 32-33.5         | 5     | 1.9 | 89 |
| <i>if</i>                                   |           | Core is quite broken and locally limonitic on fractures. Quartz $\pm$ calcite veinlets up to 0.5 cm. @ 30° to 60° to core axis. Sulphide content $< 2\%$ generally. - <i>pf sec as blebs of in And.</i>   |            |                 |       |     |    |
| <i>969</i><br><i>984</i><br><i>10659</i>    |           |   |            |                 |       |     |    |
| 33.8-35                                     | .6 m      | Similar to last section except very few quartz stringers. Core very broken.   | 5656       | 33.5-35         | $< 5$ | 1.0 | 40 |
| 35-35.6                                     | 15.2 cm   | Similar to last section except core not as broken up. Epidote still quite common.   |            |                 |       |     |    |
| 35.6-36.8                                   | 15.2 cm   | Green, fine grained, more massive, propylitically altered Nicola andesite. Shows relic porphyritic texture. Occasional hairline quartz veinlets noted - generally less than 0.2 cm. wide. Some fractures show hematite $\pm$ limonite alteration. Sulphides generally less than 1-2%. <i>0.5%</i> | 5657       | 35-36.5         | $< 5$ | .7  | 19 |
| <i>1104</i><br><i>1105</i><br><i>(21.1)</i> |           |   |            |                 |       |     |    |
| 36.8-38.4                                   | 15.2 cm   | Similar to last section   | 5658       | 36.5-38.1       | $< 5$ | 1.0 | 24 |
|   |           |   | 5659       | 38.1-39.6       | 5     | .5  | 30 |
| 38.4-41.1                                   | 0         | Similar to last section (Core less broken)  | 5660       | 39.6-41.1       | $< 5$ | .8  | 24 |
| 41.1-42.9                                   | $< 15$ cm | Similar to last section   | 5661       | 41.1-42.6       | $< 5$ | .5  | 45 |
|   |           |   | 5662       | 42.6-44.1       | $< 5$ | .8  | 28 |

PROPERTY SNOWFLAKE HOLE No. SF-83-4 SHEET No. 3 of 8

| DEPTH                                      | CORE LOST | DESCRIPTION   | SAMPLE No.   | WIDTH of SAMPLE        | Au       | Ag       | Cu       |
|--|-----------|---|--------------|------------------------|----------|----------|----------|
| 42.9-46                                    | 0         | Similar to last section, Core quite solid, less fractured. Stringers of quartz $\pm$ epidote locally common, generally $45^\circ - 65^\circ$ to core axis. <i>Occasional basalt</i>   | 5663         | 44.1-45.7              | 5        | .8       | 29       |
| <i>13.8</i><br><i>13.8</i><br><i>151.8</i> |           | <i>It's calc string, Negl. py.</i>  | 5664         | 45.7-47.2              | < 5      | .8       | 41       |
| 46-47.8                                    | 0         | Similar to last section except rock becoming bleached <i>light, high carbonate</i> looking, siliceous @ 46.6-46.8 m. and 47.2 to 47.8 m. Relic porphyritic texture still present. Slickensides noted @ 47.5 m. ( $30^\circ$ to core axis) Quartz stringers also @ $30^\circ$ to core axis. <i>light silty</i>   | 5665         | 47.2-48.7              | < 5      | .8       | 31       |
| 47.8-50.9                                  | 0         | Light to medium green, massive, fine grained porphyritic Nicola andesite flow. Epidote still quite common. Quartz stringers quite common - from hairline to 0.75 cm. wide. Vast majority of stringers < $30^\circ$ to core axis (C.A.). Some stringers commonly associated with hematite. Quartz $\pm$ hematite stringers most common between 47.8-49.3 m. More massive andesite from 49.3 to 50.9 m. | 5666<br>5667 | 48.7-50.2<br>50.2-51.8 | < 5<br>5 | .5<br>.5 | 29<br>39 |
| 50.9-52.7                                  | 15.2 cm   | Green, fine grained massive Nicola andesite. Weak porphyritic texture present. Epidote still pervasive. Fine quartz stringers still present but not intense. <i>2/10/84</i>   | 5668         | 51.8-53.3              | < 5      | .6       | 32       |

PROPERTY SNOWFLAKE

HOLE No. SF-83-4

SHEET No. 4 of 8

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No.   | WIDTH of SAMPLE            | Au         | Ag       | Cu        |  |
|-----------|-----------|--|--------------|----------------------------|------------|----------|-----------|--|
| 52.7-54.8 | 0         | Similar to last section  | 5669         | 53.3-54.8                  | < 5        | .4       | 32        |  |
| 54.8-57.3 | < 15 cm   | Similar to last section. Few quartz stringers still present, @ 30-45° to core axis.  |              |                            |            |          |           |  |
|           |           | Sulphides scarce. Epidote pervasive. <i>hematitic fracture</i>   | 5670         | 54.8-56.3<br>58.63         | < 5        | .6       | 25        |  |
| 57.3-58.5 | 15.2 cm   | Similar to last section but more broken especially between 57.3-57.6 m. - possible shear zone? Another crumbly section (shear)   |              |                            |            |          |           |  |
|           |           | @ 58.2-58.5 m. Hematitic gouge noted on some surfaces (30° to core axis).  | 5671         | 56.3-57.9<br>prof'd (5207) | 30         | .6       | 105       |  |
| 58.5-61.2 | 45.7 cm   | Green, massive, fine grained Nicola andesite with usual epidote alteration of feldspars and groundmass, with exception of minor quartz $\pm$ hematite fracture surfaces, this rock is much like preceding sections. Quartz $\pm$ hematite stringers generally rare and usually @ 30 to 45° to core axis. | 5672<br>5673 | 57.9-59.4<br>59.4-60.9     | < 5<br>< 5 | .5<br>.6 | 116<br>68 |  |
| 61.2-62.1 | 15.2 cm.  | Similar to above section   | 5674         | 60.9-62.4                  | < 5        | .6       | 20        |  |
|           |           | To 204' epidote $\approx$ 10-15% fracture  |              |                            |            |          |           |  |
|           |           | 204' - " $\approx$ 5% " " , mainly as blebs, also in fracture  |              |                            |            |          |           |  |



| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag | Cu  |
|-----------|-----------|--|------------|-----------------|-----|----|-----|
| 62.1-64   | .6 m      | Pale green, variably bleached and siliceous altered andesite. Quartz veining quite common with most prominent veinlets @ 5-15° to core axis. Locally abundant very fine grained pyrite - average content probably $1 - 2\% \pm$ . Some evidence of shearing evidenced by slickensides on edge of veins @ 63 m. | 5675       | 62.4-64         | < 5 | .6 | 28  |
| 64-64.6   | .3 m      | Green, fine grained, massive, propylitically altered andesite, similar to those above. 64 - 64.3 m. is pale gray bleached material noted in last section with small clots of fine grained pyrite.  | 5676       | 64-65.5         | < 5 | .8 | 121 |
| 64.6-65.5 | 15.2 cm   | Typical green, fine grained Nicola andesite - still shows abundant epidote, weak to moderate porphyritic texture. Quartz veinlets < 1mm. to 5 mm. at 30 to 45° to core axis.   | 5677       | 65.5-67         | < 5 | .8 | 38  |
| 65.5-66.7 | 15.2 cm   | Similar to last section.   |            |                 |     |    |     |
| 66.7-68.2 | 0         | Similar to last section  | 5678       | 6-68.5          | < 5 | .8 | 44  |

# REAR - DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 206 - 310 Nicol  
Kamloops, B.C.  
Phone 374-0

PROPERTY SNOWFLAKE HOLE No. SF-83-4 SHEET No. 6 of 8

| DEPTH  | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu  |
|--|-----------|---|------------|-----------------|-----|-----|-----|
| 68.2-70.7  | 15.2 cm   | Similar to last section - quartz <sup>+</sup> calcite                         |            |                 |     |     |     |
| <sup>21.21</sup><br><sup>21.21</sup><br><sup>21.21</sup> |           | <sup>harder fact</sup><br>stringers and veinlets still present - locally      | 5679       | 68.5-70.1       | < 5 | .7  | 56  |
|  |           | moderately abundant, <sup>~ 10%</sup> generally @ 30-45° to core              |            |                 |     |     |     |
|  |           | axis. Sulphide content low < 1%. <sup>CO. 0.5%</sup> <i>Note local irreg.</i> |            |                 |     |     |     |
|  |           | <i>interstitial calcite</i>   |            |                 |     |     |     |
| 70.7-73.7  | 0'        | Similar to last section - andesite shows good                                 |            |                 |     |     |     |
|  |           | porphyritic texture in places.  | 5680       | 70.1-71.6       | 5   | .8  | 68  |
|  |           |   | 5681       | 71.6-73.1       | < 5 | .7  | 93  |
| 73.7-76.2  | 30 cm     | Similar to last section - epidote still pervasive                             | 5682       | 73.1-74.6       | < 5 | .7  | 108 |
|  |           |   | 5683       | 74.6-76.2       | 5   | 1.1 | 109 |
| 76.2-78  | 0         | Similar to last section.  | 5684       | 76.2-77.7       | < 5 | .7  | 22  |
| 78-79.5  | < 15 cm   | Similar to last section. Weakly bleached and                                  | 5685       | 77.7-79.2       | < 5 | .6  | 17  |
|  |           | sheared @ 78.7 - 79.2 m.  |            |                 |     |     |     |
| 79.5-80.1  | 15.2 cm   | Similar to last section. Core more broken and                                 | 5686       | 79.2-80.7       | 5   | .6  | 5   |
|  |           | showing signs of minor shearing.  |            |                 |     |     |     |
| 80.1-81.9  | 45.7 cm   | Similar to last section.  | 5687       | 80.7-82.2       | < 5 | .6  | 9   |
| 81.9-83.2  | 30 cm     | Similar to last section; 82.6 - 83.2 m crumbly -                              | 5688       | 82.2-83.8       | < 5 | 1.1 | 11  |
| <sup>24.96</sup><br><sup>24.96</sup><br><sup>24.96</sup> |           | gougy (?) zone with moderately abundant quartz                                |            |                 |     |     |     |
|  |           | veining. Quartz-hematite veins @ 82.6 - 82.7 m.                               |            |                 |     |     |     |
|  |           | @ 60° to core axis. <i>High calcite in fractured rock along fault.</i>        |            |                 |     |     |     |

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No.   | WIDTH of SAMPLE        | Au       | Ag       | Cu       |
|-----------|-----------|--|--------------|------------------------|----------|----------|----------|
| 83.2-84.7 | < 15 cm   | Typical green, fine grained, Nicola andesite with usual epidote alteration along with usual quartz $\pm$ calcite $^+$ epidote veinlets. Some evidence of slickensides indicates minor shearing still present. Sulphide content low < 1%. | 5689         | 83.8-85.3              | < 5      | .7       | 5        |
| 84.7-87.7 | 0         | Similar to last section.   |              |                        |          |          |          |
| 87.7-89.6 | 0         | Similar to last section. Core generally massive but with small locally crumbly sections.   | 5690<br>5691 | 85.3-86.8<br>86.8-88.3 | < 5<br>5 | .7<br>.6 | 18<br>27 |
| 89.6-91.1 | 0         | Similar to last section.   | 5692         | 88.3-89.9              | < 5      | .6       | 5        |
| 91.1-92   | 15.2 cm.  | Similar to last section. <i>No. obvious difference in rock. 25/4 gts - calc., gts - epid + qt filled fract.</i>  | 5693         | 89.9-91.4              | 90       | .6       | 67       |
| 92-92.9   | 30.4 cm   | Similar to last section. Core locally quite broken.  | 5694         | 91.4-92.9              | < 5      | .6       | 70       |
| 92.9-94.7 | 30.4 cm   | Similar to last section. Quartz veinlets not common. One vuggy quartz vein @ 93.7 m. (2 cm. wide) with minor MoS <sub>2</sub> . This vein @ 60-70° to core axis.   | 5695         | 92.9-95.4              | < 5      | .8       | 395      |



[illegible]

PROPERTY..... SNOWFLAKE.....

HOLE No. .... SF 83-5.....

| DIP AND AZIMUTH TEST |       |         |
|----------------------|-------|---------|
| Corrected            |       |         |
| Footage              | Angle | Azimuth |
|                      |       |         |
|                      |       |         |
|                      |       |         |

Core Size ..... NQ  
 Angle of Hole ..... -45°  
 Claim.....  
 Section.....  
 Bearing ..... 265° Az

Total Depth ..... 64.6 m.  
 % Recovery ..... 68%  
 Elev. Collar .....  
 Latitude ..... 4...+... 51NW  
 Departure ..... 3 + 89SW

Sheet No ..... 1 ..... of ..... 3  
 Logged by ..... W. Gruenwald  
 Date Begun ..... Oct. 18/83  
 Date Finished ..... Oct. 20/83  
 Core Stored At .....

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Auppb | Agppm | Cu. ppm |
|-----------|-----------|---|------------|-----------------|-------|-------|---------|
| 0-24.3 m. |           | Casing  |            |                 |       |       |         |
| 24.3-27.4 | 3 m.      | O.B. (?)  |            |                 |       |       |         |
| 27.4-30.4 | 1.5 m.    | Started coring brown gray, clay rich mud (?) containing small fragments of volcanic, & sedimentary rock.  | 5696       | 27.4-30.4       | < 5   | .7    | 48      |
| 30.4-32.6 | 1 m.      | Similar to last section-rock fragments locally up to 1 cm. across.  | 5697       | 30.4-33.5       | < 5   | .7    | 45      |
| 32.6-33.8 | .6 m      | Similar to last section, rock (?) appears to be much like varved clay (-ie lake bottom sediment) - possible bedding @ 45° to core axis, indicating probable flat lying clay rich sediments. |            |                 |       |       |         |
| 33.8-35.6 | .6 m      | Similar to last section - becoming dark gray "claystone" @ 35.3 m.  |            |                 |       |       |         |
| 35.6-36.8 | .6 m      | Similar to last section - dark gray clay.   | 5698       | 33.5-36.5       | < 5   | .9    | 48      |

[illegible]



PROPERTY SNOWFLAKE HOLE No. SF 83-5 SHEET No. 3 of 3

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | All | Ag | Cl |
|-----------|-----------|---|------------|-----------------|-----|----|----|
| 57.3-58.2 | .6 m      | Similar to last section. Very poorly sorted sediment.   |            |                 |     |    |    |
| 58.2-60.9 | 1.2 m     | Brown, varved (?) clay zone. Fewer rock fragments noted. Very definite bedding noted @ 60.6 m. @ 60°-65° to core axis. 60.6 - 60.9 m. - back into poorly sorted sediment. | 5731       | 57.9-60.9       | 5   | .3 | 42 |
| 60.9-61.5 | .4 m      | Similar to last section. Large pebbles > 3cm across. Clay to sandy matrix.  |            |                 |     |    |    |
| 61.5-63.3 | 1.5 m     | Mixed coarse grained, poorly sorted, non stratified sediment and varved clay. End of section into sandy sediment with abundant rock fragments.                            |            |                 |     |    |    |
| 63.3-64   | .4 m      | Only few volcanic pebbles recovered - rest washed away.   | 5732       | 60.9-64.6       | < 5 | .8 | 58 |
| 64-64.6   | .4 m      | Similar to last section - only pebbles left. Sandy unconsolidated matrix washed away since 63.3 m.  |            |                 |     |    |    |
|           |           | END OF HOLE   |            |                 |     |    |    |
|           |           |   |            |                 |     |    |    |
|           |           |   |            |                 |     |    |    |
|           |           |   |            |                 |     |    |    |
|           |           |   |            |                 |     |    |    |

# REK-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 219 Victoria

Kamloops, B.C.

Phone 374-054

*See back for page 3 of 3 #15*

PROPERTY..... SNOWFLAKE.....

HOLE No. SF 83-6

| DIP AND AZIMUTH TEST |           |         |
|----------------------|-----------|---------|
|                      | Corrected |         |
| Footage              | Angle     | Azimuth |
|                      |           |         |
|                      |           |         |
|                      |           |         |

Core Size ..... N.Q.  
 Angle of Hole ..... -45°  
 Claim.....  
 Section.....  
 Bearing ..... 265° Az

Total Depth ..... 33.5 m.  
 % Recovery ..... 89%  
 Elev. Collar .....  
 Latitude ..... 6 + 07NW  
 Departure ..... 5 + 10SW

Sheet No ..... 1 ..... of ..... 2  
 Logged by ..... W. Gruenwald  
 Date Begun ..... Oct.21/83  
 Date Finished ..... Oct.23/83  
 Core Stored At .....

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |
|-----------|-----------|---|------------|-----------------|--------|--------|--------|
| 0-21.3 m. |           | Casing  |            |                 |        |        |        |
| 21.3-22.2 | .4 m      | Dark gray to black graphitic argillite with clots and stringers of fine grained pyrite. Evidence of slickensides common often @ 5-20° to core axis. | 5733       | 21.3-22.8       | 15     | 2.0    | 110    |
|           |           | At 22 m. - 1/2 cm. wide pyrite bed @ 5° to core axis. Some brecciation noted @21.9-22.2 with quartz infilling.                                      |            |                 |        |        |        |
| 22.2-22.8 | 15.2 cm   | Similar to last section - still noting pyritic beds and quartz stringers @ 5-10° to core axis.  |            |                 |        |        |        |
| 22.8-24   | .7 m      | Similar to last section.  | 5734       | 22.8-24.3       | 5      | 2.7    | 158    |
| 24-24.6   | 15.2 cm   | Similar to last section.  | 5735       | 24.3-25.9       | 5      | 1.0    | 140    |
| 24.6-25.9 | .4 m      | Similar to last section.  | 5736       | 25.9-27.4       | 5      | 2.0    | 160    |
| 25.9-26.5 | 0         | Similar to last section. Pyritic beds @ 26 m. @ 5-6° to core axis.  |            |                 |        |        |        |
|           |           |   |            |                 |        |        |        |
|           |           |   |            |                 |        |        |        |

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0546

PROPERTY

SNOWFLAKE

HOLE No. SF 83-6

HD/DD = 23.68"

DIP AND

Footage

Core Size N.Q.  
Angle of Hole -45°  
Claim.....  
Section.....  
Bearing 265° Az

Total Depth 33.5 m.  
% Recovery 89%  
Elev. Collar 113330' = 1015"  
Latitude 6 + 07NW  
Departure 5 + 10SW

Sheet No 1 of 2  
Logged by W. Gruenwald  
Date Begun Oct.21/83  
Date Finished Oct.23/83  
Core Stored At .....

| DEPTH                          | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE                | Au ppb | Ag ppm | Cu ppm |
|--------------------------------|-----------|--|------------|--------------------------------|--------|--------|--------|
| 0-21.3 m.<br><i>Proj 19.44</i> |           | Casing   |            |                                |        |        |        |
| 21.3-22.2<br><i>1.9P</i>       | .4 m      | Dark gray to black graphitic argillite with clots and stringers of fine grained pyrite. Evidence of slickensides common often @ 5-20° to core axis. At 22 m. - 1/2 cm. wide pyrite bed @ 5° to core axis. Some brecciation noted @21.9-22.2 with quartz infilling. | 5733       | 21.3-22.8<br><i>proj 20.49</i> | 15     | 2.0    | 110    |
| 22.2-22.8                      | 15.2 cm   | Similar to last section - still noting pyritic beds and quartz stringers @ 5-10° to core axis.   |            |                                |        |        |        |
| 22.8-24                        | .7 m      | Similar to last section.   | 5734       | 22.8-24.3                      | 5      | 2.7    | 158    |
| 24-24.6                        | 15.2 cm   | Similar to last section.   | 5735       | 24.3-25.9                      | 5      | 1.0    | 140    |
| 24.6-25.9                      | .4 m      | Similar to last section.   | 5736       | 25.9-27.4                      | 5      | 2.0    | 160    |
| 25.9-26.5                      | 0         | Similar to last section. Pyritic beds @ 26 m. @ 5-6° to core axis.   |            |                                |        |        |        |



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# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Kamloops, B.C.  
Phone 374-0544

PROPERTY..... SNOWFLAKE.....

HOLE No. SF-83-7.....

| DIP AND AZIMUTH TEST |           |         |
|----------------------|-----------|---------|
|                      | Corrected |         |
| Footage              | Angle     | Azimuth |
| 106.6 m.             | -42°      |         |
|                      |           |         |
|                      |           |         |

Core Size ..... N.Q.  
Angle of Hole ..... -45°  
Claim.....  
Section.....  
Bearing ..... 265°

Total Depth ..... 109.7 m  
% Recovery ..... 68%  
Elev. Collar .....  
Latitude ..... 5 + 28NW  
Departure ..... 5 + 33SW

Sheet No ..... 1 of 13  
Logged by ..... W. Gruenwald  
Date Begun ..... Oct. 24/83.  
Date Finished ..... Oct. 29/83.  
Core Stored At .....

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au | Ag  | Cu  |
|-----------|-----------|--|------------|-----------------|----|-----|-----|
| 0-22.5 m. |           | Casing - overburden  |            |                 |    |     |     |
| 22.5-22.8 | 10 cm     | Dark gray, very hard argillite (silicified?) with fine grained pyrite disseminated throughout.     | 5741       | 22.5-24.3       | 15 | 1.0 | 158 |
|           | 30        | Pyrite content 2-3% <sup>±</sup> . Few fine quartz stringers noted - hairline to 2mm. thick.       |            |                 |    |     |     |
| 22.8-23.4 | 30 cm     | Similar to last section - core very broken.  |            |                 |    |     |     |
|           | 60        |  |            |                 |    |     |     |
| 23.4-24.3 | 60.9 cm   | Similar to last section - core very broken.  |            |                 |    |     |     |
|           | 90        |  |            |                 |    |     |     |
| 24.3-25.6 | 60.9 cm   | Similar to last section - core very broken.  |            |                 |    |     |     |
|           | 130       | Very fine grained pyrite - well disseminated 2-3% <sup>±</sup> .                                   | 5742       | 24.3-25.9       | 30 | 1.0 | 160 |
| 25.6-26.2 | 45.7 cm   | Similar to last section - core still very broken.  |            |                 |    |     |     |
|           | 80        |  |            |                 |    |     |     |
| 26.2-27.1 | 60.9 cm   | Similar to last section (broken). Arenaceous-  | 5743       | 25.9-27.4       | 10 | 1.0 | 114 |
|           | 90        | (coarser grained) band @ 26.5 @ 35° to core axis.  |            |                 |    |     |     |
|           |           | Disseminated pyrite in coarser grained section up to 5%. Few quartz stringers 30-45° to core axis. |            |                 |    |     |     |
|           |           |  |            |                 |    |     |     |
|           |           |  |            |                 |    |     |     |

PROPERTY SNOWFLAKE HOLE No. SF-83-7 SHEET No. 2 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au    | Ag  | Cu  |                                  |
|-----------|-----------|---|------------|-----------------|-------|-----|-----|----------------------------------|
| 27.1-27.7 | 45.7 cm   | Similar to last section - core very broken, fine grained pyrite $\geq 3-5\%$  |            |                 |       |     |     | ↑                                |
| 27.7-28.3 | 45.7 cm   | Similar to last section-few pieces recovered show abundant quartz-carb. stringers from hairline to 0.5 cm. wide @ $45^\circ$ to $70^\circ$ to core axis and random attitudes. | 5744       | 27.4-28.9       | 30    | .7  | 100 |                                  |
| 28.3-29.2 | 60.9 cm   | Dark gray, fine grained, very hard argillite. Very few quartz-carb. stringers in this section. Pyrite content lower $\geq 2\%$ .  |            |                 |       |     |     | 23 Au<br>0.9 Ag<br>134 Cu<br>7.9 |
| 29.2-30.1 | 60.9 cm   | Similar to last section - very broken.  | 5745       | 28.9-30.4       | 30    | .8  | 140 |                                  |
| 30.1-31   | 76.2 cm   | Similar to last section-only fragments of dark grey argillite recovered.  |            |                 |       |     |     |                                  |
| 31-32     | 76.2 cm   | Similar to last section   |            |                 |       |     |     |                                  |
| 32-32.9   | 60.9 cm   | Similar to last section-locally intense quartz $\pm$ carb. veinlets - pyrite 2-3% $^{\pm}$ .  | 5746       | 30.4-32         | $< 5$ | 1.0 | 120 |                                  |
| 32.9-33.5 | 45.7 cm   | Similar to last section-only fragments recovered.   | 5747       | 32-33.5         | 10    | 1.0 | 156 |                                  |
| 33.5-34.4 | 30.4 cm   | Similar to last section-most of section is argillitic mud & sand.   | 5748       | 33.5-35         | 10    | 1.2 | 150 | ↓                                |



PROPERTY SNOWFLAKE HOLE No. SF-83-7 SHEET No. 3 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu  |                                   |
|-----------|-----------|---|------------|-----------------|-----|-----|-----|-----------------------------------|
| 34.4-34.7 | 0'        | Dark gray, brittle argillite with fine grained disseminated pyrite 2-3%.  |            |                 |     |     |     | h                                 |
| 34.7-35.9 | 15 cm     | Similar to last section, few quartz <sup>+</sup> carb. stringers noted @ 10° to 30° to core axis. Small brecciated veinlet @ 35 m. (1.5 cm. wide).        | 5749       | 35-36.5         | < 5 | 1.9 | 244 |                                   |
| 35.9-37.1 | 30.4 cm   | Similar to last section.  | 5750       | 36.5-38.1       | < 5 | 1.6 | 197 |                                   |
| 37.1-37.7 | 15 cm     | Similar to last section.  |            |                 |     |     |     |                                   |
| 37.7-38.4 | 30.4 cm   | Similar to last section-Core very broken. Showing occasional graphite.  |            |                 |     |     |     | 15-10<br>1.4 Ag<br>152 Cu<br>12.2 |
| 38.4-39   | 30.4 cm   | Similar to last section, scattered quartz <sup>+</sup> carb. stringers, generally 15° to 30° to core axis. Sulphide content < 2%. Core still very broken. | 5751       | 38.1-39.6       | < 5 | 1.5 | 184 |                                   |
| 39-39.3   | 20 cm     | Dark gray, brittle, broken argillite, minor pyrite and occasional quartz <sup>+</sup> carb. stringers.  |            |                 |     |     |     |                                   |
| 39.3-40.8 | 45.7 cm   | Similar to last section, core very broken   | 5752       | 39.6-41.1       | < 5 | 1.5 | 165 |                                   |
| 40.8-42   | 30.4 cm   | Similar to last section   | 5753       | 41.1-42.6       | < 5 | 1.4 | 147 |                                   |
|           |           |   |            |                 |     |     |     |                                   |
|           |           |   |            |                 |     |     |     |                                   |
|           |           |   |            |                 |     |     |     |                                   |

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PROPERTY SNOWFLAKE HOLE No. SF-83-7 SHEET No. 5 of 13

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE         | Au | Ag  | Cu  |                                     |
|-----------|-----------|--|------------|-------------------------|----|-----|-----|-------------------------------------|
| 49.6-49.9 | 15.2 cm   | Argillite-sandstone (?), core fragments only recovered.  |            |                         |    |     |     |                                     |
| 49.9-50.5 | 30.4 cm   | Broken argillite-sandstone. Noted definite brecciation of argillite @ 50 m. This is probably brecciation of sediment in early stages of consolidation.   |            |                         |    |     |     |                                     |
| 50.5-51.2 | 30.4 cm   | Similar to last section-very broken  | 5758       | 50.2-51.8               | 35 | .8  | 68  |                                     |
| 51.2-52.1 | 60.9 cm   | Light gray, coarser sediments. Little or no argillite. Core very broken, few quartz <sup>+</sup> carb. stringers noted.  |            |                         |    |     |     | 33 m.<br>1.5 m.<br>98 m.<br>13.7 m. |
| 52.1-52.7 | 30.4 cm   | Similar to last section.   | 5759       | 51.8-53.3               | 25 | 4.7 | 178 |                                     |
| 52.7-53.6 | 60.9 cm   | Similar to last section-some small scale faulting noted of sedimentary laminae @ 52.8 m.   |            |                         |    |     |     | (8)                                 |
| 53.6-54.2 | 15.2 cm   | Pale gray green, fine grained siltstone → sandstone(?) with locally abundant quartz stringers often < 30° to core axis.  | 5760       | 53.3-54.8               | 20 | .8  | 38  |                                     |
| 54.2-55.4 | 76.2 cm   | Similar to last section. Fine grained, disseminated pyrite locally up to 3-4% (at 55.3 m). Fragmental sedimentary texture noted in places where fragments of dark gray argillite stand out in pale green matrix. | 5761       | 54.8-56.3<br>prg (50.3) | 60 | 1.1 | 62  |                                     |



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PROPERTY SNOWFLAKE HOLE No. SF-83-7 SHEET No. 9 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au | Ag  | Cu  |                                  |
|-----------|-----------|---|------------|-----------------|----|-----|-----|----------------------------------|
| 73.7-74.3 | 15.2 cm   | Similar to last section.  |            |                 |    |     |     |                                  |
| 74.3-75.5 | 30.4 cm   | Similar to last section except breccia texture not as well defined.   | 5773       | 74.6-76.2       | 35 | 1.1 | 110 |                                  |
| 75.5-76.5 | 15.2 cm   | Similar to last section.  |            |                 |    |     |     |                                  |
| 76.5-77.1 | 15 cm     | Pale green, weakly bleached andesitic (?) volcanic. Quartz carb. veinlets relatively common. Rock appears quite coarse grained (brecciated?). | 5774       | 76.2-77.7       | 60 | 1.1 | 57  | 36 Au<br>1.3 Ag<br>80 Cu<br>10.7 |
| 77.1-78   | 0         | Pale green-gray, fine grained relatively unaltered andesite tuff (flow ??).   |            |                 |    |     |     |                                  |
| 78-79.5   | 15.2 cm   | Similar to last section. Sulphides generally <2%. Core quite broken. Quartz <sup>+</sup> gypsum + carb. veinlets locally quite common.        | 5775       | 77.7-79.2       | 20 | 1.0 | 107 | (7)                              |
| 79.5-80.1 | 30.4 cm   | Pale gray, medium grained feldspar rich "dyke" or possibly another localized breccia zone. Feldspar fragments up to 2-3mm.                    | 5776       | 79.2-80.7       | 35 | .8  | 45  |                                  |
| 80.1-80.7 | 15.2 cm   | Pale green-gray, medium grained, weakly bleached (?) andesitic tuff.  |            |                 |    |     |     |                                  |
|           |           |   |            |                 |    |     |     |                                  |
|           |           |   |            |                 |    |     |     |                                  |
|           |           |   |            |                 |    |     |     |                                  |

PROPERTY SNOWFLAKE HOLE No. SF-83-7 SHEET No. 10 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au | Ag | Cu |  |
|-----------|-----------|---|------------|-----------------|----|----|----|--|
| 80.7-82.6 | 30.4 cm   | Pale green-gray fine grained andesitic tuff. Quartz-carb stringers scattered throughout @ random orientation. Sulphides (pyrite) generally <2%.   | 5777       | 80.7-82.2       | 5  | .6 | 29 |  |
| 82.6-84.4 | 0'        | Pale green-gray, fine grained andesite tuff   | 5778       | 82.2-83.8       | 10 | .9 | 45 |  |
|           |           | intercalated with finely laminated dark gray cherty siltstone beds. Appear to be drilling along the bedding plane. From 82.9 to 84.4 m. random quartz-carb. stringers up to 2-3mm. found throughout. Pyrite, disseminated 1-3%. Small displacement faults seem to offset darker alminae in numerous places. | 5779       | 83.8-85.3       | <5 | .7 | 38 |  |
| 84.4-84.7 |           | Similar to last section except only pebbles recovered   |            |                 |    |    |    |  |
| 84.7-86.2 | 15.2 cm   | Similar to last section-better recovery. Fine grained pyrite-disseminated 1-2%.   | 5780       | 85.3-86.8       | 5  | .7 | 42 |  |
| 86.2-87.1 | 15.2 cm   | Similar to last section. Still noting prominent dark gray laminae. These darker laminae are often the more pyritic units.   |            |                 |    |    |    |  |
| 87.1-89.6 | 30.4 cm   | Similar to last section except bleached and weakly siliceous from 87.7 to 88 m. Randomly oriented quartz-carb. stringers found throughout-locally abundant.   | 5781       | 86.8-88.3       | 5  | .6 | 43 |  |
|           |           |   | 5782       | 88.3-89.9       | 5  | .8 | 32 |  |

PROPERTY SNOWFLAKE HOLE No. SF-83-7 SHEET No. 11 of 13

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu |
|-----------|-----------|---|------------|-----------------|-----|-----|----|
| 89.6-90.2 | 30.4 cm   | Similar to last section. Core quite broken.   |            |                 |     |     |    |
| 90.2-91.7 | 30.4 cm   | Admixture of pale green-gray fine grained andesitic tuffs and darker gray sediments or volcaniclastics.   | 5783       | 89.9-91.4       | 30  | .8  | 36 |
|           |           | Evidence of locally intense faulting and shearing.  |            |                 |     |     |    |
|           |           | Shear/quartz-carb. vein zone @ 91.5 m. @ 20° to c.a.  |            |                 |     |     |    |
| 91.7-93.2 | 30.4 cm   | Pale green fine grained andesitic tuff. Crumbly (sheared) bleached & veined from 92.3-92.6m. Sulphide content generally $\leq 1-2\%$ .  | 5784       | 91.4-92.9       | 5   | .8  | 27 |
| 93.2-94.7 | 15.2 cm   | Admixture of pale green, fine grained andesitic tuffs and darker gray fine grained volcaniclastics.   | 5785       | 92.9-94.4       | 5   | .7  | 35 |
|           |           | Bedding or laminae appears @ near 0° to core axis.  |            |                 |     |     |    |
|           |           | Intense quartz-carb veining (brecciation) @ 94.6 to 94.7 m.   |            |                 |     |     |    |
| 94.7-96.9 | 15.2 cm   | Similar to last section. Intense quartz-carb veining from 94.9 to 95.5 m. In same section can see distinct microfault offsets of darker laminae. Some of veining is contemporaneous with late stage faulting. Veinlets (qtz-carb) often @ 45-60° to core axis, although randomly oriented veinlets are also common. | 5786       | 94.4-96         | 20  | 1.0 | 45 |
|           |           |   | 5787       | 96-97.5         | < 5 | .9  | 40 |



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PROPERTY SNOWFLAKE

HOLE No. SF-83-7

SHEET No. 12 of 13

| DEPTH       | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu |
|-------------|-----------|--|------------|-----------------|-----|-----|----|
| 96.9-97.5   | 15.2 cm   | Similar to last section  |            |                 |     |     |    |
| 97.5-100    | 15.2 cm   | Similar to last section. Still appear to be drilling along bedding planes. Quartz-carb veining locally intense @ 97.9 m; 99.6 m. fine grained pyrite disseminated throughout, generally 1%.  | 5788       | 97.5-99         | 20  | .8  | 52 |
|             |           |  | 5789       | 99-100.5        | 265 | .8  | 55 |
| 100-101.8   |           | Similar to last section. Fairly intense quartz-carb veining and locally brecciated from 100 to 101 m. Microfault offsets of darker laminae noted. Drusy quartz @ 100.8-101.4 m. along with pale pink alunite(?) Vein here is drusy and approx. 2 cm. wide. Pyrite content increasing to 2-3%. Up to 5% from 101.4 to 101.8 m.                              | 5790       | 100.5-102       | 60  | 1.1 | 48 |
| 101.8-104.2 | 0         | Admixture of pale green-gray fine grained andesitic tuff, darker gray sediments (cherty) & light brown-gray bleached tuffs. Ordinary green-gray tuffs predominate. Quartz-carb. veinlets not intense but scattered throughout @ 30-65° to core axis. Small pyritic gouge zone @ 103.6 m @ 40° to core axis. 104.2 m. slickensides noted @ 30° to core axis | 5791       | 102-103.6       | 110 | 1.0 | 96 |
|             |           |  | 5792       | 103.6-105       | 30  | 1.0 | 20 |

| DEPTH       | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE  | Au  | Ag  | Cu |
|-------------|--------------|---|------------|---------------------|-----|-----|----|
| 104.2-106.6 | 15.2 cm      | Pale green-gray, fine grained andesitic tuffs with<br>minor darker gray cherty bands. 104.2-104.8 pale<br>brown-gray almost silicified zone. 104.8-105.7 regular<br>andesite tuff. 347-349.5'-pale gray medium-coarse<br>ground tuff(?) bounded by fault gouge @ 106.5 m @<br>45° to core axis. | 5793       | 105-106.6<br>1.5"   | 20  | 1.0 | 72 |
| 106.6-107.2 | 30.4 cm      | Light green, very fine grained intercalated cherty<br>andesite tuff and dark gray cherty bands. Laminae<br>5-10° to core axis. Pyrite 4%  | 5794       | 106.6-108.2<br>1.6" | 220 | 1.0 | 55 |
| 107.2-108.5 | 15.2 cm      | Similar to last section except 107.7 - 108.5 m. is<br>quite pyritic. Massive pyritic quartz-carb veins @<br>107.7 - 108 m. Both fine & coarse veinlets and<br>veins are pyritic. 108-108.5 disseminated pyrite<br>in andesitic tuff (5-6%).   |            |                     |     |     |    |
| 108.5-109.7 | 15 cm        | Similar to last section. Intercalated light green<br>andesitic tuff and darker gray seds.(?). Pyrite<br>content highly variable. Darker laminae (bedding)<br>at 109.5 m. @ 5° to core axis. Small patch of semi-<br>massive, granular pyrite in last 15.2 cm.                                   | 5795       | 108.2-109.7<br>1.5" | 180 | 1.6 | 52 |
|             |              | END OF HOLE   |            |                     |     |     |    |

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Kamloops B.C.

Phone 374-0544

PROPERTY SNOWFLAKE

HOLE No. SF-83-8

| DIP AND AZIMUTH TEST |           |         |
|----------------------|-----------|---------|
|                      | Corrected |         |
| Footage              | Angle     | Azimuth |
| 88.3 m.              | -86°      |         |
|                      |           |         |
|                      |           |         |

Core Size NQ  
 Angle of Hole 90°  
 Claim.....  
 Section.....  
 Bearing -

Total Depth 91.44 m Sheet No 1 of 10  
 % Recovery 91% Logged by W. Gruenwald  
 Elev. Collar..... Date Begun Oct. 30/83  
 Latitude 5 + 28NW Date Finished Nov. 2/83  
 Departure 5 + 33SW Core Stored At .....

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |
|-----------|-----------|---|------------|-----------------|--------|--------|--------|
| 0-10.6 m. |           | Casing  |            |                 |        |        |        |
| 10.6-11.8 | 15.2 cm   | Weakly limonitic, dark gray andesitic tuff and /or gray wacke. Quartz-carb. veinlets from 11.7 to 11.8 m. Rusty fractures common. | 5796       | 10.6-12.1       | < 5    | 1.1    | 94     |
| 11.8-12.4 | 45.7 cm   | Pebbles of dark gray argillite and possible gray wacke. Disseminated pyrite up to 2-3%.<br><i>v. calcareous</i>                   |            |                 |        |        |        |
| 12.4-13.4 | 15.2 cm   | Dark gray argillite 41-43'; Quartz veinlets 5-15° to core axis. Fine grained wacke (?) 13.1-13.4 m.                               | 5797       | 12.1-13.7       | < 5    | 2.2    | 82     |
| 13.4-14   | 30.4 cm   | Dark gray vol./sed. wacke with disseminated pyrite 2-3% +.  |            |                 |        |        |        |
| 14-14.6   | 50 cm     | Few pebbles similar to last section recovered.  |            |                 |        |        |        |
| 14.6-15.2 | 49 cm     | Similar to last section.  | 5798       | 13.7-15.2       | < 5    | 1.0    | 85     |
|           |           |   |            |                 |        |        |        |
|           |           |   |            |                 |        |        |        |
|           |           |   |            |                 |        |        |        |



PROPERTY SNOWFLAKE HOLE No. SF-83-8 SHEET No. 2 of 10

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No.   | WIDTH of SAMPLE        | Au         | Ag        | Cu        |
|-----------|-----------|---|--------------|------------------------|------------|-----------|-----------|
| 15.2-16.4 | 45.7 cm   | Similar to last section, becoming more coarsely fragmental. Sedimentary & volcanic fragments up to 3 cm. across.  | 5799         | 15.2-16.7              | < 5        | 1.2       | 116       |
| 16.4-18.5 | 0         | Intercalated pyritic argillite @ 15.3-15.4 m. @ 60° to core axis. Another argillite bed @ 15.8 m. @ 30° to core axis. Pyrite disseminated throughout from 2-3%. Few quartz-carb. stringers @ 30-45° to core axis..                                | 5800         | 16.7-18.2              | < 5        | 1.1       | 118       |
| 18.5-20.1 | 0         | Similar to last section. Coarse gray wacke to 18.7 m. Moderately quartz-carb. veined argillite and arenaceous sediments from 18.7-20.1 m.   | 5801         | 18.2-19.8              | < 5        | 1.0       | 92        |
| 20.1-21.6 | 0         | Dark gray, massive, hard weakly pyritic argillite & minor fine grained wacke. Disseminated pyrite 2-3% <sup>+</sup> . Crumbled zone @ 21.4-21.6 m. (possible fault?) Bedding planes @ 30-40° to core axis. Some pyritic argillite noted @ 21.3 m. | 5802         | 19.8-21.3              | < 5        | 1.0       | 82        |
| 21.6-23.4 | 0         | Similar to last section. Distinct bedding @ 35° to core axis. 21.6-22.2 m. some pyrite is bedding controlled. 21.6-21.8 crumbled zone with abundant quartz veining & 4-6% <sup>+</sup> pyrite.  | 5803<br>5804 | 21.3-22.8<br>22.8-24.3 | < 5<br>< 5 | 1.0<br>.6 | 107<br>70 |

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PROPERTY SNOWFLAKE HOLE No. SF-83-8 SHEET No. 3 of 10

| DEPTH     | CORE LOST             | DESCRIPTION   | SAMPLE No.   | WIDTH of SAMPLE        | Au         | Ag       | Cu       |
|-----------|-----------------------|---|--------------|------------------------|------------|----------|----------|
| 23.4-26.2 | 0                     | Similar to last section - predominantly argillite, Pyrite pervasive, however quite noticable @ 24.6-25 m. (3-5%). Found disseminated and as stringers. 25-26 m. rock is more fine grained arenaceous rock and fine grained gray wacke. Quartz-carb. veinlets not very common. | 5805         | 24.3-25.9              | 30         | .8       | 123      |
| 26.2-29.2 | 0                     | Medium gray, fine grained massive argillaceous arenite. Weakly bedded except @ 28-28.6 where bedding is @ 45-50° to core axis. Pyrite found disseminated throughout however it is most common from 28 - 28.6 m. (3-5%). <i>Q-Cnc V so to bedding, 25° to core</i>             | 5806<br>5807 | 25.9-27.4<br>27.4-28.9 | < 5<br>< 5 | .9<br>.7 | 56<br>59 |
| 29.2-30.4 | 15.2 cm<br><i>80</i>  | Dark gray argillite & graphitic argillite. Quite pyritic (coarse grains) from 29 -29.7 m. (4-5%). 29.7 30 m. very crumbly broken graphitic argillite, also quite pyritic. <i>Q-Cnc V so to bedding, 25° to core</i><br><i>also variably foliated at varying angles</i>        | 5808         | 28.9-30                | 10         | 1.0      | 103      |
| 30.4-31.3 | 15.2 cm<br><i>90</i>  | Crumbly, broken argillite, weakly graphitic argillite and minor arenaceous rock. Disseminated pyrite 3-4% <sup>+</sup>  | 5809         | 30 - 32                | 10         | 1.0      | 122      |
| 31.3-32.6 | 15.2 cm<br><i>130</i> | Similar to last section. Few quartz <sup>+</sup> -carb. stringers and blebs present.  | 5810         | 32 - 33.5              | < 5        | 1.1      | 75       |

# REK-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 310, 1st St.  
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PROPERTY SNOWFLAKE

HOLE No. SF-83-8

SHEET No. 4 of 10

| DEPTH     | CORE LOST      | DESCRIPTION  | SAMPLE No.   | WIDTH of SAMPLE      | Au       | Ag         | Cu        |
|-----------|----------------|--|--------------|----------------------|----------|------------|-----------|
| 32.6-33.5 | 15.2 cm<br>90  | Similar to last section - core quite broken. Bedding at 45° to core axis.  |              |                      |          |            |           |
| 33.5-34.7 | 15.2 cm<br>120 | Mixed dark gray, variably bedded argillite and minor light gray arenaceous rock & or fine grained gray wacke. 34-34.7 m. quartz <sup>+</sup> carb. veining quite common and disseminated pyrite (4-5%)<br><i>Bedding 35° to core axis &amp; 45° shear zone</i> | 5811         | 33.5-35              | 20       | 1.2        | 92        |
| 34.7-35.3 | 45.7 cm<br>60  | Dark argillite pebbles recovered.  |              |                      |          |            |           |
| 35.3-37.1 | 76.2 cm<br>180 | Dark gray, soft, quartz <sup>+</sup> carb. rich graphitic argillite-shear zone. Core is quite soft and crumbly. Abundant evidence of slickensides and brecciation. Qtz-carb. veining is weak. Pyrite ~2-3%   | 5812<br>5813 | 35-36.5<br>36.5-38.1 | 55<br>50 | 1.5<br>1.2 | 178<br>85 |
| 37.1-38.1 | 45.7 cm<br>100 | Similar to last section. Crumbly-sheared graphitic argillite.  |              |                      |          |            |           |
| 38.1-38.4 | 15.2 cm<br>30  | Harder bedded argillite fragments-appear to be out of fault/shear zone.  |              |                      |          |            |           |
| 38.4-39.3 | 15.2 cm        | Dark gray, more massive, brittle argillite. Pyrite disseminated and in quartz <sup>+</sup> carb. veinlets. Pyrite from 2-5%. Bedding @ 30° to core axis. Qtz veining weak. - 60° to bedding & 75° C.A. Numerous fault filled Qtz-carb. veins along shear zone. | 5814         | 38.1-39.6            | 50       | 1.6        | 154       |



# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

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PROPERTY SNOWFLAKE HOLE No. SF-83-8 SHEET No. 5 of 10

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au      | Ag     | Cu   |                       |
|-----------|-----------|---|------------|-----------------|---------|--------|------|-----------------------|
| 39.3-40.8 | 0         | Similar to last section-hard brittle, semi siliceous argillite. Abundant pyrite from 40 - 40.8 m (5-6%)   | 5815       | 39.6-41         | 100     | 1.6    | 249  |                       |
|           |           | 40.6 m. Quartz-carbonate breccia zone.  |            |                 |         |        |      |                       |
| 40.8-42   | 15.2 cm   | Dark gray variably graphitic and broken argillite   | fire assay | (oz/ton)        | .066    | 1.13   |      |                       |
|           |           | 40.8 - 41.1 m. abundant quartz-pyrite veins and breccia   | 5816       | 42-42.6         | 2040    | > 20.0 | 300  |                       |
|           |           | infillings. Small shear zone @ 41.4. Carb content low   |            |                 |         |        |      | 0.7546 Au<br>8.739 Ag |
| 42-43.8   |           | Dark gray, well bedded variably pyritic argillite.  |            |                 |         |        |      |                       |
|           |           | Few quartz <sup>+</sup> carb. veinlets noted-generally 45° to core axis. Bedding laminae @ 30-35° to core axis.   | fire assay | (oz/ton)        | 1.05    | 12.0   |      |                       |
|           |           | 41.6 m. -chalcopyrite noted in 1/2 cm. wide quartz-carb. veinlet. Pyrite content generally 2-3%, local semi massive patches of pyrite up to 1 cm. across. Note 0.4 cm band of 8% py follow bedding & is drag folded @ 1.44'.  | 5817       | 42.6-44         | > 10000 | > 20.0 | 2900 |                       |
| 43.8-46   | 15.2 cm   | Medium to light gray bleached & weakly silicified volc./sed. fragmental. 43.8 - 44.1 bedded, pyritic dark gray argillite as in last section. Contact with bleached unit below is irregular and at approx. 40-45° to core axis. 44.3 - 44.6 m. darker green-gray volcanic fragmental with argillitic fragments.    | 5818       | 44-45.7         | 380     | 6.6    | 380  |                       |
|           |           | 446.5-46 m. pale gray bleached unit. Pyrite is disseminated and in quartz <sup>+</sup> carb. veinlets. Veins from 20-45° to core axis and vary in thickness from 1 mm. to 1 cm. 44.8 - 45 Quartz vein(s) with pyrite and chalcopyrite vein(s) nearly parallel to core axis. Carbonate content for section is low. |            |                 |         |        |      |                       |

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

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PROPERTY SNOWFLAKE HOLE No. SF-83-8 SHEET No. 6 of 10

| DEPTH   | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au   | Ag   | Cu  |
|---------|-----------|---|------------|-----------------|------|------|-----|
| 46-49   | 0         | Similar to last section except becoming a definite green agglomerate at 48 m. contact with pale unit $\sim 30-45^\circ$ to core axis. (irregular contact).  | 5819       | 45.7-47.2       | 55   | 1.7  | 195 |
|         |           | Agglomerate rock fragments appear to be fine grained intermediate volcanics some of which show porphyritic texture. Quartz <sup>+</sup> carb. veinlets common between 46 - 46.6; @ $20-30^\circ$ to core axis. Pyrite content $\sim 2-3\%$ max. <i>also @ 60"</i>   | 5820       | 47.2-48.7       | 25   | 1.4  | 129 |
| 49 - 52 | 0         | Medium green-gray polymictic agglomerate. Volcanic fragments often show rounded edges and vary from 0.5 cm. to $> 3$ cm. across. Pyrite found as disseminations, clots & in quartz veinlets. Pyrite content highly variable 2-5%. 51 - 51.8 m Chalcopryrite/pyrite noted. 49.9 - 51.2 several long quartz/pyrite veins at or nearly parallel to core axis. Veining not intense $\leq 5\%$ of rock. 51.8 - 52 m. - massive darker green volcanic material. Overall carb. content is low. | 5821       | 48.7-50         | 240  | 5.5  | 129 |
|         |           |   | 5822       | 50-51.8         | 1000 | 18.9 | 443 |
| 52-55   | 0         | Medium to dark green andesitic (?) agglomerate with intercalated fine grained tuffs & flows. Pyrite content variable-from 2-5%. 52.5 - 53.3 darker green fine grained bedded tuff (?) with bedding @ $45-50^\circ$ to core axis. 54.2 - 55 pale green, fine grained, weakly bleached agglomerate. Pyrite content generally low except in the dark green f. grained sections. Few quartz <sup>+</sup> carb veinlets observed.  | 5823       | 51.8 - 53.3     | 70   | 1.7  | 171 |
|         |           |   | 5824       | 53.3-54.8       | 195  | 4.1  | 104 |



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Phone 374-054

| DEPTH     | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE | Au  | Ag  | Cu  |
|-----------|--------------|---|------------|--------------------|-----|-----|-----|
| 55-58.2   | 0            | Pale green gray, fine grained agglomerate & tuff.   | 5825       | 54.8-56.3          | 90  | 1.3 | 66  |
|           |              | Pyrite disseminated-generally < 2-3%. Quartz vein<br>from 0-45° to core axis. 56.3 m-chalcopyrite.  | 5826       | 56.3-57.9          | 190 | 2.5 | 151 |
|           |              | 0° vein cut 45° vein @ 45° @ 207' 57.3" 24 Q.C veins 1/4 @ 20° CA   |            |                    |     |     |     |
| 58.2-61.5 | 0            | Pale green-gray, weakly bleached andesitic<br>agglomerate and tuff. Vague fragmental texture<br>seen in a few places. Quartz veining not common.  | 5827       | 57.9-59.4          | 30  | 1.0 | 75  |
|           |              | Pyrite content decreasing-generally < 2%. Noted minor<br>scattered grains of molybdenite @ 59 - 60.3 m.(found in<br>quartz-pyrite veinlets). 5° CA, other veinlets 1/4 @ 35-50° CA  | 5828       | 59.4-60.9          | 30  | 1.1 | 75  |
| 61.5-64.6 | 15.2 cm      | Similar to last section up to 63 m. Few quartz +<br>pyrite veins from 62 - 63 m. often at low angles to<br>core axis (< 30°). 63.3-64 m. intense quartz <sup>+</sup> carb.<br>veining. Pyrite content low. 62.4 m.chalcopyrite<br>and minor molybdenite in low angle quartz-pyrite<br>vein. | 5829       | 60.9-62.4          | 105 | 1.4 | 94  |
|           |              |   | 5830       | 62.4-64            | 330 | 2.1 | 217 |
| 64.6-67   | 0            | Medium green, massive unaltered to weakly altered<br>fine to coarse andesitic agglomerate. Quartz<br>veinlets not common. (< 5%). Pyrite content low < 2%.  | 5831       | 64-65.5            | 35  | .8  | 91  |
|           |              |   | 5832       | 65.5-67            | 30  | .9  | 132 |



PROPERTY SNOWFLAKE HOLE No. SF-83-8 SHEET No. 8 of 10

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu  |
|-----------|-----------|--|------------|-----------------|-----|-----|-----|
| 67-70     | 0         | Similar to last section. 69.6 m. brecciated quartz-carb. vein @ 30° to core axis, contains galena and straw colored sphalerite.                                | 5833       | 67-68.5         | 60  | 1.0 | 60  |
|           |           |  | 5834       | 68.5-70         | 20  | 1.3 | 58  |
| 70-73.1   | 0         | Pale gray to pale green, medium to very coarse agglomerate. Fragments to 5 cm. across. Quartz veinlets generally at low angles to core axis.                   | 5835       | 70-71.6         | 55  | 1.6 | 63  |
|           |           | Pyrite content low - generally < 2%.   | 5836       | 71.6-73.1       | 40  | 1.3 | 170 |
| 73.1-76.2 | 15.2 cm   | Similar to last section except becoming pale brown-gray. Weakly bleached, volcanoclastic tuff at 74.9 m. Pyrite content at least 2-3%.                         | 5837       | 73.1-74.6       | 295 | 2.4 | 343 |
|           |           | Quartz content increasing. Veins generally < 45° to core axis. 73.7 m. Quartz + carb. vein (1 cm. wide) containing semi-massive pyrite and minor chalcopyrite. | 5838       | 74.6-76.2       | 400 | 7.8 | 667 |
| 76.2-77.4 | 15.2 cm   | Similar to latter portion of last section - green mafic clots set in a fine grained pale green-brown matrix - probably an altered andesitic tuff.              | 5839       | 76.2-77.7       | 15  | .9  | 49  |
|           |           | Pyrite content 2-3%  |            |                 |     |     |     |
|           |           | Noting presence of hematite on fractures and in quartz-carb. veinlets  |            |                 |     |     |     |

SHEET No. 9 of 10

[illegible]

[illegible]



# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.

Kamloops, B.C.

Phone 374-0544

PROPERTY..... SNOWFLAKE.....

HOLE No. SF-83-9.....

| DIP AND AZIMUTH TEST |       |         |
|----------------------|-------|---------|
| Corrected            |       |         |
| Footage              | Angle | Azimuth |
|                      |       |         |
|                      |       |         |
|                      |       |         |

Core Size ..... N.O. ....  
 Angle of Hole ..... -90° .....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth ..... 72.2 m .....  
 % Recovery ..... 74% .....  
 Elev. Collar ..... 1023' base of 1st reef .....  
 Latitude ..... 5 + 18NW .....  
 Departure ..... 5 + 13SW .....

Sheet No ..... 1 ..... of 11 .....  
 Logged by ..... W. Gruenwald .....  
 Date Begun ..... Nov. 6/83 .....  
 Date Finished Nov 8/83. ....  
 Core Stored At .....

| DEPTH      | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |   |
|------------|-----------|---|------------|-----------------|--------|--------|--------|---|
| 0 - 9.1 m. |           | Casing (overburden).  |            |                 |        |        |        |   |
| 9.1-11.2   | 15.2 cm   | Medium to dark green andesitic agglomerate (Nicola).  |            |                 |        |        |        |   |
| 1a         |           | Fragments up to 2 cm. across. Pyrite content  | 5849       | 9.1-10.6        | 70     | 1.1    | 108    | ] |
|            |           | 1-2% max.-limonite common on fracture faces.  | 5850       | 10.6-12.1       | 1565   | 10.6   | 781    | ] |
|            |           | Quartz <sup>+</sup> carb. veinlets ≤ 1cm.-usually @ 45-60° to core axis.                                      |            |                 |        |        |        |   |
|            |           | <i>No sulph. in first part, the prob. in last 1-1.5' where heavy pyrite bands noted in 10% oxidized core.</i> |            |                 |        |        |        |   |
| 11.2-12.1  | 30.4 cm   | limonitic, highly weathered & locally pyritic   |            |                 |        |        |        |   |
| 1a         |           | andesitic agglomerate. Last 45.7 m. is highly oxidized  |            |                 |        |        |        |   |
|            |           | and contains pyrite in low angle (≤ 30° to core axis)   |            |                 |        |        |        |   |
|            |           | brecciated quartz veins(?). Pyrite content (5-6% ±)   |            |                 |        |        |        |   |
| 12.1-13.5  | 15.2 cm   | Similar to last section-agglomeritic texture still  |            |                 |        |        |        |   |
| 1a         |           | evident. Little fresh rock left. Quartz-pyrite-   | 5851       | 12.1-13.7       | 294    | 2.0    | 117    | ] |
|            |           | limonite vein @ 13 m. @ 30-40° to core axis, vein   |            |                 |        |        |        |   |
|            |           | approx. 1 cm. wide and contains semi massive clots  |            |                 |        |        |        |   |
|            |           | of pyrite. Last 15 <sup>cm</sup> also contains semi-massive   |            |                 |        |        |        |   |
|            |           | pyrite.   |            |                 |        |        |        |   |

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 200 - 310 Nicola St.  
Kamloops, B.C.  
Phone 374-0541

PROPERTY SNOWFLAKE HOLE No. SF-83-9 SHEET No. 2 of 11

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No.                           | WIDTH of SAMPLE   | Au    | Ag     | Cu  |
|-----------|-----------|--|--------------------------------------|---|-------|--------|-----|
| 13.5-16.4 | 15.2 cm   | Similar to last section. Few low angle ( $< 40^{\circ}$ ) quartz <sup>+</sup> -carb. + pyrite veinlets scattered through section. 13.7-14 m. highly pyritic ( $\sim 10\%$ ) agglomerate-pyrite is very fine grained and found generally in matrix of rock (between fragments).   | 5852                                 | 13.7-15.2   | 20    | 1.2    | 108 |
| 10        |           | 16 m. -1.5cm. highly oxidized pyritic vein (?) @ $10-15^{\circ}$ to core axis.   | 5853                                 | 15.2-16.7   | 130   | 2.1    | 172 |
|           |           |  | fire assay                           | (oz/ton)  | (.46) | (2.74) |     |
| 16.4-19.5 | 15.2 cm   | Similar to last section except with increasing amount of less limonitic agglomerate. Large quartz <sup>+</sup> -carb.-pyrite vein at 17.6-17.9m( $\pm$ ). Vein appears to be at approx. $20^{\circ}$ to core axis $\pm$ and contains up to 10-15% pyrite with minor chalcopyrite and suspect spalerite-galena. Last 15 <sup>cm</sup> of vein shows intense brecciation and limonite alteration. Rock becoming less limonitic from 18.5 to 19.5 m. fracture faces are still limonitic however. The last 91 <sup>cm</sup> are also becoming more light gray-almost bleached in appearance. | 5854                                 | 16.7-18.2   | >4000 | >20.0  | 548 |
| 1a        |           |  | 5855                                 | 18.2-19.8   | 190   | 1.9    | 91  |
|           |           |  | 16.7<br>3.3<br>50.1<br>50.1<br>55.11 | 45% is totally oxidized<br>20% is fresh<br>35% is 40-80% oxidized<br>last 1' approx. more of quartz calc. 6% py. 0.3% (chalco)<br>4-6 ft G-C veins 20% py. 1-4% |       |        |     |
| 19.5-21   | 15.2 cm   | Pale gray mixed agglomerate and fine grained brittle tuff or flow (?). Agglomerate from 19.5-20m-moderately quartz veined (5% of rock). 20-21 m. -pale gray, fine grained, bleached (?) tuff-flow. Moderately abundant randomly oriented quartz veinlets. Contact with agglomerate is sharp @ $30^{\circ}\pm$ to core axis.  | 5856                                 | 19.8-21.3   | 75    | 1.1    | 62  |
| 1a        |           |  |                                      |   |       |        |     |

PROPERTY SNOWFLAKE HOLE No. SF-83-9 SHEET No. 3 of 11

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE          | Au  | Ag  | Cu |
|-----------|-----------|---|------------|--------------------------|-----|-----|----|
| 19.5-21   | cont'd    | Pyrite content low 1-2% in both rock types.<br>Limonite now only on fracture faces. Last 15 <sup>cm</sup> is quite highly veined and crumbly-possible shear zone.   |            |                          |     |     |    |
| 21-22.2   | 30.4 cm   | Pale green-gray bleached and silicified agglomerate.<br>Core is quite broken and shows abundant quartz veining. Pyrite content generally low <2%.<br>Possible shear from 21-21.3 m. Limonite no longer seen in any quantity.  | 5857       | 21.3-22.8 <sup>1.5</sup> | 18  | 1.0 | 53 |
| 22.2-22.8 | 15.2 cm   | Similar to last section-locally coarse agglomerate and can see fine mafic (?) porphyritic texture in some of the volcanic fragments. Few low angle (<35°) quartz <sup>+</sup> carb. veinlets noted.   |            |                          |     |     |    |
| 22.8-24.3 | 15.2 cm   | Pale gray-green, weakly bleached and locally brecciated agglomerate. Rock still appears bleached and altered. Many of fragments surrounded by pale pink-brown amorphous material.<br>Quartz <sup>+</sup> carb. veining erratic; several veins up to >1cm. wide. Most veins ≤30° to core axis.<br>Pyrite content low (≤1%) except in vein @ 23.9 to 24.3 m. This vein is associated with crumbly zone (shear) and contains some dark gray fine grained metallic grains (galena?) | 5858       | 22.8-24.3 <sup>1.5</sup> | 135 | 2.4 | 86 |



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PROPERTY SNOWFLAKE HOLE No. SF-83-9 SHEET No. 4 of 11

| DEPTH           | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE          | Au  | Ag  | Cu  |                                      |
|-----------------|-----------|---|------------|--------------------------|-----|-----|-----|--------------------------------------|
| 24.3-25.9<br>1a | 30.4 cm   | Similar to last section-pale grey-bleached agglomerate with the pale pink-brown matrix infilling noted in last section. Greenish agglomerate from 24.3-24.6 m. Quartz veining (randomly oriented) found throughout section. Last 30 <sup>cm</sup> is highly veined, broken and sheared. Pyrite content generally low (<1-2%). | 5859       | 24.3-25.9 <sup>1.6</sup> | 100 | 1.5 | 52  | ↑ 117 Au<br>1.9 Ag<br>68 Cu<br>3.1 m |
| 25.9-27.4<br>1b | 30.4 cm   | Pale gray, very fine grained tuff (?). No evidence of agglomeritic texture. Pyrite content low ≤ 1%. Core quite broken and weakly veined.   | 5860       | 25.9-27.4 <sup>1.5</sup> | 40  | 2.3 | 79  |                                      |
| 27.4-28.9<br>1c | 15.2 cm   | Similar to last section. Core still quite broken. Locally pyritic at 28 m. (3-4% pyrite)  | 5861       | 27.4-28.9 <sup>1.5</sup> | 20  | 1.6 | 55  | 33 Au<br>1.7 Ag<br>81 Cu<br>4.5      |
| 28.9-30.7<br>1d |           | Similar to last section up to 30 m. 30 - 30.7 m. is medium green-gray, fine grained finely laminated cherty tuff. Quartz veining variable however, most abundant from 30.3 - 30.7 m. veins @ 45-60° to core axis. Bedding laminae at 30° to core axis.  | 5862       | 28.9-30.4 <sup>1.5</sup> | 40  | 1.3 | 110 |                                      |

PROPERTY SNOWFLAKE HOLE No. SF-83-9 SHEET No. 5 of 11

| DEPTH     | CORE LOST                    | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE        | Au  | Ag  | Cu  |                                  |
|-----------|------------------------------|--|------------|------------------------|-----|-----|-----|----------------------------------|
| 30.7-31.3 | 60.9 cm                      | Gray, fine grained, weakly brecciated and variably quartz veined finely laminated cherty tuff (?). Pyrite content 2-3%; locally greater.   | 5863       | 30.4-32 <sup>1.6</sup> | 80  | 1.9 | 197 |                                  |
| 31.3-32   | 45.7 cm                      | Similar to last section. Bedding laminae @ $\leq 10^\circ$ to core axis. Pyrite 1-2%-locally greater.  |            |                        |     |     |     |                                  |
| 32-32.3   | 15.2 cm                      | Similar to last section-only pebbles recovered.  | 5864       | 32-33.5 <sup>1.5</sup> | 50  | 1.2 | 72  | 81 Au<br>2.7 Ag<br>154 Cu<br>7.6 |
| 32.3-33.2 | 60.9 cm                      | Pale gray, broken, weakly bleached and agglomerate. Few quartz $\pm$ carb. veins, Pyrite $\leq 1\%$ .  |            |                        |     |     |     |                                  |
| 33.2-33.8 | 45.7 cm                      | Similar to last section. Pebbles recovered.  |            |                        |     |     |     |                                  |
| 33.8-34.1 | 15.2 cm                      | Similar to last section. Some quartz $\pm$ carb. veining noted in pebbles.   | 5865       | 33.5-35 <sup>1.5</sup> | 110 | 2.6 | 226 |                                  |
| 34.1-35.9 | 60.9 cm<br><sup>180 cm</sup> | Mixed dark gray quartz veined, fine grained cherty argillite (?) from 34.1-35. Pyrite 1-3%. Possible fault zone @ 35 m. -low angle to core axis. All of above section shows brecciation and microfaulting. | 5866       | 35-36.5 <sup>1.5</sup> | 60  | 2.5 | 65  |                                  |
|           |                              | 35-35.9 m.-Pale green-gray, weakly bleached and pyritic agglomerate. Pyrite 2-3%, Locally $\leq 5\%$ . Possible MoS <sub>2</sub> @ 35.3-35.6 m. Core very broken   |            |                        |     |     |     |                                  |

| DEPTH     | CORE<br>LOST | DESCRIPTION   | SAMPLE No.   | WIDTH<br>of SAMPLE                               | Au         | Ag          | Cu        |
|-----------|--------------|---|--------------|--|------------|-------------|-----------|
| 35.9-36.8 | 30.4 cm      | Gray-green, very broken possibly sheared altered agglomerate. Disseminated pyrite 2-3%. Locally abundant fine quartz veinlets and veins especially in last 30 cm.   |              |  |            |             |           |
| 36.8-38.7 | 45.7 cm      | Green weakly altered agglomerate. Several large quartz-pyrite veins between 37.7-38.7 m. with pyrite locally to 10%. Possible galena in these veins along with minor chalcopryite. Veins though irregular appear to be at $\sim 35^\circ$ to core axis. Evidence of shearing over last 45.7 <sup>cm</sup> of section. | 5867<br>5868 | 36.5-38 <sup>1.5</sup><br>38-39.6 <sup>1.6</sup> | 105<br>285 | 5.5<br>11.9 | 210<br>41 |
| 38.7-39.6 | 30.4         | Pale gray-green broken weakly bleached agglomerate. Pyrite content $\leq 2\%$ . Quartz veining not intense 39.4 to 39.6 m. - pale gray gouge zone.  |              |  |            |             |           |
| 39.6-41.7 | 15.2 cm      | Pale gray-green weakly bleached agglomerate and locally veined green coarse agglomerate. Quartz $\pm$ carb. veins generally at low angle to core axis. Pyrite content generally low (1-2%).   | 5869<br>5870 | 39.6-41 <sup>1.3</sup><br>41-42.6 <sup>1.6</sup> | 215<br>375 | 1.3<br>1.1  | 57<br>30  |



PROPERTY SNOWFLAKE

HOLE No. SF 83-9

SHEET No. 7 of 11

| DEPTH            | CORE LOST         | DESCRIPTION   | SAMPLE No.         | WIDTH of SAMPLE                      | Au             | Ag            | Cu  |   |
|------------------|-------------------|---|--------------------|--------------------------------------|----------------|---------------|-----|---|
| 41.7-42.6<br>1a  | 15.2 cm           | Medium green, mottled, weakly altered and broken andesitic agglomerate. Pyrite <1-2%. Minor quartz veining.   |                    |                                      |                |               |     |   |
| 42.6-43.8<br>1a  | 30.4 cm           | Similar to last section plus some pale gray green fine grained bleached looking tuff. Core very broken.   | 5871               | 42.6-44 <sup>1.4</sup>               | 100            | 1.0           | 53  | ] |
| 43.8-44.8<br>1a  | 30.4 cm           | Similar to last section. Bleached, veined tuff from 43.8 to 44 m. Noting minor hematite on fracture faces.  | 5872               | 44-45.7 <sup>1.7</sup>               | 55             | 1.5           | 49  | ] |
| 44.8-45.7<br>18f | 76.2 cm.<br>90 cm | Dark gray, highly fractured chert or cherty tuff. Finely and randomly quartz <sup>+</sup> -carb. veined. Pyrite content low ≤1%.  |                    |                                      |                |               |     |   |
| 45.7-46.9<br>16a |                   | Green to pale green-gray fine grained, weakly altered tuffs & agglomerate. Last 30 <sup>cm</sup> is pale gray-green tuff-fragments ≤1mm. across. Low pyrite content ≤1-2%.  | fire assay<br>5873 | (oz/ton)<br>45.7-47.2 <sup>1.5</sup> | (.072)<br>2050 | (.52)<br>17.0 |     | ] |
| 46.9-48<br>1c    | 1 m.              | Pale gray, weakly-moderately altered tuff. Gouge zone; veining from 46.9 - 47.8 m. Fragments in gouge zone show brecciation & intense veining some of which contains pyrite, chalcopryrite and galena. Veining often appears parallel to core axis. however randomly oriented veinlets are also common. | 5874               | 47.2-48.7 <sup>1.5</sup>             | 135            | 1.7           | 181 | ] |

PROPERTY SNOWFLAKE HOLE No. SF-83-9 SHEET No. 8 of 11

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE          | Au | Ag      | Cu  |                                  |
|-----------|-----------|---|------------|--------------------------|----|---------|-----|----------------------------------|
| 46.9-48   | cont'd    | Last 30 <sup>cm</sup> is the pale gray highly fractured tuff.   |            |                          |    |         |     |                                  |
| 48-49     | 76.2 cm   | Medium gray, fine grained highly broken tuff.   | 5875       | 48.7-50 <sup>1.3</sup>   | 30 | 1.2-1.1 | 122 |                                  |
| 49-50.5   | 45.7 cm   | Gouge zone in both light gray & dark gray tuffs.<br>Approx. first 60 <sup>cm</sup> <sup>+</sup> is the gray, brittle tuff and<br>rest of section is dark gray variety (possibly<br>graphitic). Entire section is very broken. |            |                          |    |         |     |                                  |
| 50.5-51.2 | 45.7 cm   | Similar to dark gray unit in above section. Only<br>pebbles recovered. Pyrite has not been common for at<br>least last 6 m.   | 5876       | 50-51.8 <sup>1.6</sup>   | 60 | 1.1     | 138 |                                  |
| 51.2-52.7 | 1 m.      | Light gray-green, brittle fine grained tuff & Gouge<br>zone. Gouge material from approx. 51.5- 52.7 m.  | 5877       | 51.8-53.3 <sup>1.5</sup> | 60 | 1.4     | 142 | 52 Au<br>7.3 Ag<br>272 Cu<br>6.1 |
| 52.7-53.6 | 60.9 cm   | Light gray-green fine grained, brittle tuff.<br>Contains scattered clots of fine grained pyrite<br>Some quartz <sup>+</sup> -carb. veining (appears randomly<br>oriented) Entire section very broken.                         |            |                          |    |         |     |                                  |
| 53.6-54.8 | 60.9 cm   | Similar to last section. Local clots and seams of<br>fine grained pyrite. Section is highly brecciated.   | 5878       | 53.3-54.8 <sup>1.5</sup> | 55 | 1.5     | 691 |                                  |
|           |           |   |            |                          |    |         |     |                                  |
|           |           |   |            |                          |    |         |     |                                  |
|           |           |   |            |                          |    |         |     |                                  |
|           |           |   |            |                          |    |         |     |                                  |
|           |           |   |            |                          |    |         |     |                                  |

| DEPTH     | CORE<br>LOST | DESCRIPTION  | SAMPLE No. | WIDTH<br>of SAMPLE       | Au  | Ag  | Cu |
|-----------|--------------|--|------------|--------------------------|-----|-----|----|
| 54.8-55.7 | 45.7 cm      | Similar to last section.   | 5879       | 54.8-56.3 <sup>1.5</sup> | 230 | 3.5 | 96 |
| 55.7-56.6 | 45.7 cm      | Similar to last section. Increasing pyrite content-finely disseminated (2%). Fair abundance of quartz + carb veining most of which appears randomly oriented. This tuff section shows areas containing dark green fragments randomly scattered-probably represent mafic fragments.   |            |                          |     |     |    |
| 56.6-57.6 | 60.9 cm      | Similar to last section. Highly broken pale gray green tuff with green mafic fragments. In last two sections have also noted several areas containing a bright green mineral-possibly malachite saturation(?) around altered chalcopyrite grains.  | 5880       | 56.3-57.9 <sup>1.4</sup> | 60  | 1.0 | 82 |
| 57.6-59.4 | 30.4 cm      | Gray-green moderately well veined tuff with hematitic fracture faces. Intense quartz <sup>+</sup> -carb veining in first 45.7 <sup>cm</sup> -also site of small shear zone. Quartz veins often have hematite associated especially from 58.2-59.4 m. Veins & veinlets 1mm-5mm and generally 30-45° to core axis. Pyrite content generally <2%. | 5881       | 57.9-59.4 <sup>1.5</sup> | < 5 | .7  | 16 |



# KERR-DAYSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Sheet 206 - 310 m. total  
Kamloops, B.C.  
Phone 374-0541

PROPERTY SNOWFLAKE HOLE No. SF-83-9 SHEET No. 10 of 11

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE         | Au  | Ag | Cu |
|-----------|-----------|---|------------|-------------------------|-----|----|----|
| 59.4-60.3 | 15.2 cm   | Pale gray-green hematitic tuff up to 60 m. after which rock becomes a medium green more solid tuff with epidote blebs and fracture linings. Hematite still present on fracture faces and in quartz <sup>+</sup> -carb veinlets.   |            |                         |     |    |    |
| 60.3-60.9 | 15.2 cm   | Medium green, fine grained andesitic tuff and/or flow. Hematitic fractures present along with clots of epidote. Pyrite content low <2%. Few quartz-carb. veinlets.  | 5882       | 59.4-60.9 <sup>15</sup> | 30  | .7 | 8  |
| 60.9-62.4 | 15.2 cm   | Similar to last section. Core not as broken. Epidote-hematite pervasive. Quartz-carb-hematite veinlets generally at low angles to core axis. (0° to 30°).   | 5883       | 60.9-62.4 <sup>14</sup> | < 5 | .7 | 12 |
| 62.4-63   | 15.2 cm   | Pale gray green weakly bleached "mafic mottled tuff". Hematite quite common-found as clots and fracture coatings.   |            |                         |     |    |    |
| 63-65.2   | 30.4 cm   | Medium green, fine grained andesitic tuff and/or flow, with only minor hematite/epidote. Pyrite content increasing to 2-3% locally. 63-63.3 m Bleached and sheared tuff-slickensides @ 20-25° to core axis. Intense quartz veining noted in shear @ 63 - 63.2 m. Rest of section contains randomly oriented quartz veinlets (moderate intensity). | 5884       | 62.4-64 <sup>11,6</sup> | 10  | .8 | 21 |
|           |           |   | 5885       | 64-65.5 <sup>15</sup>   | 15  | .7 | 22 |

SHEET No. 11 of 11

13 Au  
0.7 Ag  
27 Cu  
1016

46.9 - 72.2 / 8



Property Name: Common DUBLIN GULCH Other  
Location: Lat. 64°02' Long. 135°47' NTS 106D/4  
Metals: Major Gold Minor Silver  
Type of Mineral Deposit: Vein  
History and Previous Work:

Placer gold was discovered on Haggart Creek in 1895 and on Dublin Gulch in 1898. The earliest lode claims, North Star group, appear to have been staked in 1901 and by 1904, a 45 ft. adit had been driven on the North Star claim. In 1912, development work had been done on five separate properties. On the Stewart-Catto group (Happy Jack and Victoria cl), two adits were driven, the first 125 ft. long and off the vein, and the second a 200 ft x-cut with 74 ft of drifting on the vein. On the Olive claim, an adit was driven about 70 ft. of which the last few feet was on a vein. On the Shamrock group (4 claims), trenching and pitting was done, while a 25 ft. shaft was sunk on the Blue Lead group (8 claims). Only the Olive claim is still held under lease. Claims staked in Aug/49 by E.H. Barker (Barber cl) were examined in 1960 by Prospectors Airways, who did bulldozer trenching. Part of the area was covered by claims staked about 1962 by Rio Plata ML. The area was covered by the Pan and Arpa cl (Y27203) staked in Sept/68 by C. Provencher and optioned to Great Plains Dev. C Can L in 1968, Tam ML in 1969, and Connaught ML in 1969-71. The Connaught option was assigned to Canex in 1970 and 1971. No work has been done on the gold veins since 1968.

Description :

Quartz-arsenopyrite veins are common for a length of two miles along the north edge of the Potato Hills stock. Most veins strike NE and range in width from a few inches to 6 feet and occasionally wider, although the arsenopyrite-rich sections is usually restricted to widths of 4 to 20 inches near the centre. Minor amounts of pyrite occur with the arsenopyrite. Host rocks are Cambrian or older metasediments (unit 3). The vein drifted on the Victoria claims assayed 0.25 oz/ton Au and 0.4 oz/ton Ag over a width of 2 ft for the 74 ft length. Similar assays were obtained from other veins. Rio Plata conducted a Turam survey and bulldozing program which reportedly outlined a narrow silver-rich vein and more arsenopyrite veins. The presence of silver veins in the area is further suggested by the presence of siderite containing sphalerite, galena and jamesonite in the placer gravels.

References:

- Ann. Rept. 1904, Pt A, pp38-9
- "Lode Mining in Yukon" by T.A. MacLean, Mines Branch Publ. 222, 1914  
pp127-158
- P63-38, p.9
- P61-23, p.33
- B 111, Fig.18

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Victoria B.C.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY..... SNOWFLAKE.....

HOLE No. SF-83-10.....

| DIP AND AZIMUTH TEST |       |         |
|----------------------|-------|---------|
| Corrected            |       |         |
| Footage              | Angle | Azimuth |
|                      |       |         |
|                      |       |         |
|                      |       |         |

Core Size ..... N.Q. ....  
 Angle of Hole ..... -90 .....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth ..... 74.9 m. ....  
 % Recovery ..... 89% .....  
 Elev. Collar ..... 1025 m. ....  
 Latitude ..... 5. + 60NW .....  
 Departure ..... 5. + 31SW .....

Sheet No ..... 1 ..... of ..... 9 .....  
 Logged by ..... W. Gruenwald .....  
 Date Begun ..... Nov. 10/83 .....  
 Date Finished Nov. 13/83 .....  
 Core Stored At .....

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au.ppb | Ag.ppm | Cu.ppm |
|-----------|-----------|---|------------|-----------------|--------|--------|--------|
| 0-9.1 m   |           | Casing - Overburden to 9.1 m. Casing driven to 13.7 m. to aid in water return.  |            |                 |        |        |        |
| 9.1-10.6  | 91.4 cm   | Broken, gray argillaceous arenite. Minor pyrite. Limonite on fracture faces.  | 5890       | 9.1-10.6        | < 5    | 1.0    | 69     |
| 10.6-12.1 | 60.9 cm   | Medium gray, fine grained vaguely bedded argillaceous arenite. Bedding laminae when observed are at 30° to core axis. Few pyritic bands observed. Pyrite content ~1-2%. Few quartz <sup>+</sup> carb veinlets seen. | 5891       | 10.6-12.1       | < 5    | 1.0    | 76     |
| 12.1-12.8 | 39 cm     | Similar to last section. Finely disseminated pyrite 1-2%.   |            |                 |        |        |        |
| 12.8-14   | 15.2 cm   | Similar to last section. Few scattered quartz <sup>+</sup> carb veinlets seen < 1mm to 5mm. wide. Veinlets vary from 30-60° to core axis.   | 5892       | 12.1-13.7       | 5      | .8     | 73     |
| 14-15.5   | 15.2 cm   | Similar to last section. One 5mm. wide quartz <sup>+</sup> carb veinlet @ 14.1 m. @ 25-30° to core axis.  | 5893       | 13.7-15.2       | 10     | .8     | 77     |

PROPERTY SNOWFLAKE HOLE No. SE-83-10 SHEET No. 2 of 9

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No.   | WIDTH of SAMPLE        | Au        | Ag       | Cu       |
|-----------|-----------|--|--------------|------------------------|-----------|----------|----------|
| 15.5-17.3 | 30.4 cm   | Similar to last section. Limonite still present on fracture faces. Core broken and altered due to possible shearing at 16.4-17.m. Pyrite content still low 1-2%.   | 5894<br>5895 | 15.2-16.7<br>16.7-18.2 | < 5<br>85 | .9<br>.7 | 74<br>56 |
| 17.3-18.8 | 15.2 cm   | Medium gray, fine grained argillaceous arenite with disseminated pyrite. (1-2% max). Few quartz-carb veinlets. (30-60° to core axis). Limonitic fractures virtually nonexistent now.   | 5896         | 18.2-19.8              | < 5       | .8       | 59       |
| 18.8-21.3 | 30.4 cm   | Similar to last section except showing evidence of pre-induration brecciation at 20 - 20.7 m. Fragments consist of dark gray to black argillite which are often rounded to elongate slivers along with large rounded fragments of arenites, gray wackes & possible granitic rock? Pyrite found as small grains & cluster in both matrix & fragments-content 205% locally in this breccia section from 20-20.7. 20.7-21.3m into dark gray, variable pyritic (2-3%) weakly graphitic argillite (quite broken). Scattered thin quartz-carb veinlets found throughout entire section-random attitudes. | 5897         | 19.8-21.3              | < 5       | 1.0      | 82       |
| 21.3-22.5 | 30.4 cm   | Dark gray, broken, brittle weakly pyritic argillite. Pyrite found disseminated and along bedding planes-content locally to 5%+. Bedding at 30-35° @ 22.1 m. Where pyrite is associated with fine grained gray wacke bed.   | 5898         | 21.3-22.8              | < 5       | 1.0      | 95       |



PROPERTY SNOWFLAKE HOLE No. SF-83-10 SHEET No. 3 of 9

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No.   | WIDTH of SAMPLE        | Au       | Ag         | Cu        |
|-----------|-----------|--|--------------|------------------------|----------|------------|-----------|
| 22.5-22.8 | 15.cm     | Dark gray, brittle, weakly pyritic (2-4%) argillite.   |              |                        |          |            |           |
| 22.8-23.7 | 6.3 cm    | Similar to last section. Coarser sediments @ 23.6 - 23.7 with locally abundant clots of pyrite 4-5%. Bedding 10-15° to core axis. locally lower angles observed.   | 5899         | 22.8-24.3              | 60       | 1.2        | 99        |
| 23.7-25.2 |           | Similar to last section. Bedding planes observed from 20-30° to core axis. Pyrite both disseminated and along bedding planes. (4-5% <sup>+</sup> ). Two veinlets 3-5mm. thick from 35-40° to core axis. Minor graphite seen on fracture faces. | 5900         | 24.3-25.9              | < 5      | 1.0        | 98        |
| 25.2-25.6 | 10 cm     | Dark gray, brecciated and veined argillite. Some evidence of slickensides (graphitic). Major veining at 45° to core axis. Pyrite 2-3% as disseminated cubes, clusters and along bedding planes.  |              |                        |          |            |           |
| 25.6-26.8 | 15.2 cm   | Dark gray, brittle, weakly pyritic argillite. Rock is very uniform. Pyrite disseminated 1-2%.  | 5901         | 25.9-27.4              | 15       | .9         | 107       |
| 26.8-29.5 | 15.2 cm   | Similar to last section. Pyrite content locally quite variable. Average content 2% however up to 5% between 28.3-28.9. Few quartz stringers noted from 30° to 45° to core axis. (Hairline to 1.0 cm. wide).                                    | 5902<br>5903 | 27.4-28.9<br>28.9-30.4 | 35<br>85 | 1.5<br>1.3 | 137<br>81 |

PROPERTY SNOWFLAKE HOLE No. SF-83-10 SHEET No. 4 of 9

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au | Ag  | Cu |
|-----------|-----------|---|------------|-----------------|----|-----|----|
| 29.5-31.6 | 0         | Predominantly light to medium gray, fine grained argillaceous arenite. 29.5-30 m. intercalated dark gray argillite and lighter gray arenite(?) Bedding planes well defined @ $45^{\circ+}$ to core axis. Two quartz-carb veins ( $1\text{cm}^+$ ) @ $25-35^{\circ}$ to core axis @ 29.8-30.1 m. Other minor quartz-carb. veinlets @ low angles to core axis Pyrite content generally lower than previous sections Average pyrite content 2%.  | 5904       | 30.4-32         | 25 | 1.1 | 45 |
| 31.6-33.5 | 15.2 cm   | Mixed light gray argillaceous arenite, gray wacke, and dark gray argillite. 31.6-32 m. arenite & possible gray wacke. 32-33.2 m. dark gray, brittle, well veined weakly graphitic argillite. Contains numerous thin (.5 to 2 mm.) veinlets at various angles to core axis. Many of veins & veinlets show microfaulting. Pyrite from 2-4%-locally found as clots up to 1 cm. long. 33.2-33.5 m. light gray, brecciated & quartz-carb veined & weakly bleached fine grained gray wacke. | 5905       | 32-33.5         | 15 | 1.3 | 95 |
|           | *         | 33.2m. noted galena, straw colored sphalerite and chalcopryrite in brecciated argillite & quartz-carb vein material. Sulphide content generally $\leq 2\%$ for section 33.2-33.5 m.   |            |                 |    |     |    |
| 33.5-34.4 | 15.2 cm   | Dark gray, brecciated & veined weakly graphitic argillite Pyrite content higher @ 3-4%. 33.5-33.6 m. is the pale gray, f. grained gray wacke noted in last  | 5906       | 33.5-35         | 10 | 1.2 | 83 |

PROPERTY SNOWFLAKE HOLE No. SF-83-10 SHEET No. 5 of 9

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au | Ag  | Cu  |
|-----------|-----------|--|------------|-----------------|----|-----|-----|
| 34.4-35   | 0         | Dark gray & medium gray intercalated argillite & fine grained arenite/gray wacke. Bedding very distinct @ 30° to core axis. Pyrite generally finely disseminated 2% <sup>+</sup> . Some graphitic slickensides noted 20-25° to core axis @ 34.7 m. Quartz-carb veinlets generally uncommon.                  |            |                 |    |     |     |
| 35-36.8   | 15.2 cm   | Dark gray, weakly pyritic, brittle, variably graphitic argillite. Few qtz-carb stringers noted. Pyrite content 2-3% max.   | 5907       | 35-36.5         | 5  | 1.3 | 108 |
| 36.8-38.4 | 15.2 cm   | Similar to last section-shows well defined bedding -35° to core axis. Pyrite content variable from 2-4%. Few narrow bands of fine grained gray wacke with pyrite content 5-6%. Some graphitic fracture faces observed.   | 5908       | 36.5-38.1       | 5  | 1.2 | 85  |
| 38.4-39.6 | 45.7 cm   | Similar to last section-well bedded & variably pyritic. Bedding laminae 30-40° to core axis. Core quite broken.  | 5909       | 38.1-39.6       | 5  | 1.0 | 68  |
| 39.6-41.1 | 15.2 cm   | Similar to last section except much less broken. Small qtz-shear @ 39.6-39.7 m. Evidence of faulting @ 39.8 m. displaces bedding laminae ~2cm. This particular section has some intercalated arenite/gray wacke beds which show graded bedding & are often more pyritic than surrounding argillite. Qtz-carb | 5910       | 39.6-41.1       | 15 | 1.0 | 77  |



PROPERTY \_\_\_\_\_ SNOWFLAKE \_\_\_\_\_ HOLE No. \_\_\_\_\_ SF-83-10 \_\_\_\_\_ SHEET No. 6 \_\_\_\_\_ of 9

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No.   | WIDTH of SAMPLE        | Au         | Ag       | Cu        |
|-----------|-----------|---|--------------|------------------------|------------|----------|-----------|
| 41.1-41.7 | 45.7 cm   | Section of broken argillite/gray wacke and brecciated quartz/carb. material.  | 5911         | 41.1-42.6              | 5          | .9       | 100       |
| 41.7-42.3 | 45.7 cm   | Similar to last section-only pebbles recovered. Carbonate content- constant throughout argillite-weak to moderate.  |              |                        |            |          |           |
| 42.3-43.5 | 45.7 cm   | Mixture of intercalated dark gray argillite/gray-wacke/arenite and brecciated graphitic veined argillite. Section quite broken. Pyrite content low <sup>&lt;</sup> 2% locally 3-4%.   | 5912         | 42.6-44.1              | 15         | .9       | 227       |
| 43.5-45.5 | 30.4 cm   | Mixed argillite/graywacke & brecciated equivalent. 43.5-44.1 gray to dark gray broken weakly graphitic argillite-last 15 cm. shows slickensided surfaces. 44 m. contact with coarse sed. breccia @ 45° to c.a. 44 - 44.6 m. coarse sed. breccia-quartz-carb veins @ 45-60° to c.a. Pyrite content 2-3% <sup>+</sup> . 44.6 - 45.5 m. Gray intercalated argillite/f. grained arenite. Bedding laminae @ 35-40° to core axis. | 5913         | 44.1-45.7              | < 5        | 1.3      | 79        |
| 45.5-48.7 | 15.2 cm   | Interbedded argillite/f. grained argillaceous arenite and light gray volcanic/sed. fragmental. (agglomerate?) 45.5 - 47.7 m. intercalated argillite, light gray argillaceous arenite/graywacke. Pyrite still favouring coarser sedimentary beds. Bedding @ 30-35° to c.a. Minor graphite on fracture faces. 47.1 - 47.2 m. small  | 5914<br>5915 | 45.7-47.2<br>47.2-48.7 | < 5<br>< 5 | .9<br>.9 | 92<br>105 |

PROPERTY SNOWFLAKE HOLE No. SF-83-10 SHEET No. 7 of 9

| DEPTH     | CORE<br>LOST | DESCRIPTION  | SAMPLE No.   | WIDTH<br>of SAMPLE     | Au       | Ag       | Cu        |  |
|-----------|--------------|--|--------------|------------------------|----------|----------|-----------|--|
| 45.5-48.7 | cont'd       | 47.7 - 48.7 m -light gray, massive, coarse grained<br>volcanic/sed. fragmental. Fragments generally<br>rounded and appear to be a pale bleached volc. rock.<br>Some fragments of argillite were noted in this rock<br>type. Pyrite content in this rock type is generally<br>2-3%. Found disseminated & in quartz-carb. veinlets.<br>Fragments are from 0.25 cm. to 2 cm. across-average 0.5cm.  |              |                        |          |          |           |  |
| 48.7-51.8 | 0            | Similar to last section except fragments becoming<br>coarser. Polymictic nature of rock very definite from<br>50.2-51.8 Few scattered qtz veinlets. Pyrite content<br>generally low <2%.   | 5916<br>5917 | 48.7-50.2<br>50.2-51.8 | 5<br>< 5 | .8<br>.8 | 95<br>135 |  |
| 51.8-54.8 | 0            | Pale gray-green medium to coarse polymictic agglom.<br>& light gray fine to medium grained tuff. 51.8 - 52.7 m<br>Polymictic agglomerate. 52.7 - 54.8 Gray to green-gray<br>fine to medium grained tuff. Occasional scattered<br>quartz stringers. Pyrite content <2%, locally higher<br>Tuff is weakly bedded -45° <sup>+</sup> to core axis. Contact<br>between agglomerate and tuff (52.7 m) @ 60° (irregular)<br>Very coarse agglomerate fragments from 54.7-54.8 m. | 5818<br>5819 | 51.8-53.3<br>53.3-54.8 | 15<br>25 | .7<br>.7 | 65<br>64  |  |
| 54.8-57.9 | 0            | Mixed tuff and agglomerate. 54.8 - 55 medium green<br>gray, f. grained tuff. 55 - 55.3 m -coarse agglomerate.<br>55.3 - 56.3 m. predominately gray-green tuff in patches<br>of coarse grained agglomerate. 56.3-56.8 m. weakly to<br>moderately bleached agglomerate, qtz vein swarm @ 56.5 m. (3 cm wide)   | 5920<br>5921 | 54.8-56.3<br>56.3-57.9 | 20<br>10 | .7<br>.7 | 74<br>90  |  |

PROPERTY SNOWFLAKE HOLE No. SF-83-10 SHEET No. 8 of 9

| DEPTH     | CORE LOST | DESCRIPTION   | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag | Cu |
|-----------|-----------|---|------------|-----------------|-----|----|----|
| 54.8-57.9 | cont'd    | 56.8-57.3 m. very coarse agglomerate-one pale gray porphyritic volcanic fragment at least 10-15 cm. across. Pyrite content low < 2%. Highest pyrite content in dark gray, fine grained, volc. fragments.  |            |                 |     |    |    |
|           |           | 57.3-57.9 m. Medium gray, fine grained tuff(?). Contains fragments of banded fine grained sediments (??).   |            |                 |     |    |    |
|           |           | The few qtz-carb veins seen in this section are generally at low angles to core axis ( $\leq 30^\circ$ ).   |            |                 |     |    |    |
| 57.9-60.9 | 0         | Mixed green-gray fine grained tuff & coarse polymictic andesitic agglomerate. 57.9-58.5 m. coarse polymictic agglomerate-subrounded fragments-many of fragments show f. grained porphyritic texture.  |            |                 |     |    |    |
|           |           | 58.5-59.4 m. predominantly green, f. grained tuff with irregular black, fine grained patches. 59.4-60.9 m. pre-dominantly coarse polymictic andesitic agglomerate. Fragments from < 1cm. up to 3cm.+ across. Tuff band @ 60 - 60.2 & 60.7 m. @ $50^\circ$ to core axis. | 5922       | 57.9-59.4       | 30  | .8 | 86 |
|           |           |   | 5923       | 59.4-60.9       | < 5 | .8 | 92 |
| 60.9-64   | 0         | Green-gray coarse polymictic agglomerate. Few qtz-carb. veinlets. Low pyrite content < 2%. Volc. fragments subrounded < 1cm. to 5 cm +. Many fragments show porphyritic texture. Minor fine grained tuff horizon @ 62.1 - 62.4 m.                                       | 5924       | 60.9-62.4       | 5   | .6 | 64 |
|           |           |   | 5925       | 62.4-64         | < 5 | .8 | 88 |



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PROPERTY SNOWFLAKE HOLE No. SF-83-10 SHEET No. 9 of 9

| DEPTH     | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE | Au  | Ag  | Cu  |
|-----------|--------------|---|------------|--------------------|-----|-----|-----|
| 64 - 67   | 0            | Similar to last section.  | 5926       | 64-65.5            | 5   | .7  | 102 |
|           |              |   | 5927       | 65.5-67            | < 5 | 1.1 | 95  |
| 67-70.1   | 15.2 cm      | Similar to last section to 68.5 m. At 68.5 contact<br>with fault gouge @ 35° to core axis. 68.5-69.3 m. |            |                    |     |     |     |
|           |              | Gouge with quartz-carb. veins & fragments. Footwall   | 5928       | 67-68.5            | < 5 | .8  | 116 |
|           |              | contact 30-35° to core axis. 69.3-70.1 m. Variably  | 5929       | 68.5-70.1          | 30  | 1.1 | 63  |
|           |              | bleached agglomerate-quite broken-Low pyrite content.   |            |                    |     |     |     |
|           |              | Few quartz-carb. veinlets   |            |                    |     |     |     |
| 70.1-71.9 | 15.2 cm      | Pale green-gray broken coarse polymictic agglomerate.   |            |                    |     |     |     |
|           |              | Several low angle quartz-carb veins from 71 - 71.7 m.   | 5930       | 70.1-71.6          | 10  | .9  | 94  |
|           |              | (often vuggy). Low pyrite content < 2%.   |            |                    |     |     |     |
| 71.9-73.1 | 60.9 m       | Pale green-gray broken coarse polymictic agglomerate.   | 5931       | 71.6-73.1          | 15  | 1.6 | 75  |
|           |              | Very few quartz-carb veins noted.   |            |                    |     |     |     |
| 73.1-74   | 30.4 cm      | Similar to last section. One quartz-carb vein @<br>73.7m. @ 45° to core axis (1 cm. wide).              |            |                    |     |     |     |
| 74-74.9   | 15.2 cm      | Similar to last section.  | 5932       | 73.1-74.9          | 10  | 1.2 | 83  |
|           |              |   |            |                    |     |     |     |
|           |              |   |            |                    |     |     |     |
|           |              | END OF HOLE.  |            |                    |     |     |     |
|           |              |   |            |                    |     |     |     |
|           |              |   |            |                    |     |     |     |

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PROPERTY.....SNOWFLAKE.....

HOLE No. SF-83-11.....

| DIP AND AZIMUTH TEST |           |         |
|----------------------|-----------|---------|
|                      | Corrected |         |
| Footage              | Angle     | Azimuth |
|                      |           |         |
|                      |           |         |
|                      |           |         |

Core Size ..... N.Q.  
 Angle of Hole ..... -90°  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth ..... 27.4 m.  
 % Recovery .....  
 Elev. Collar ..... 1019 m  
 Latitude ..... 49° 48' N  
 Departure ..... 5° 35' W

Sheet No. 1 ..... of ..... 2  
 Logged by J.M. Dawson  
 Date Begun Nov. 14'83  
 Date Finished Nov. 17'83  
 Core Stored At .....

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |
|-----------|-----------|--|------------|-----------------|--------|--------|--------|
| meters    |           | Casing to 19.8 meters  |            |                 |        |        |        |
| 19.8-20.4 | 0         | Fine grained dense black, graphitic argillite with abundant fine grains of pyrite-also pyrite on fracture planes 5-10% in places; minor thin quartz stringers at 20-30° to core axis.                                    | 5933       | 19.8-21.3       | < 5    | .9     | 94     |
| 20.4-21.9 | 20.3 cm   | Similar black graphitic argillite; minor interbeds of grey siltstone near beginning of section; bedding at ~ 45° to core axis; pyrite common as very fine disseminated grains; minor scattered, narrow quartz stringers. | 5934       | 21.3-22.8       | < 5    | 1.0    | 218    |
| 21.9-23.1 | 20.3 cm   | Similar to last section; core becoming very broken and friable towards end of section.   |            |                 |        |        |        |
| 23.1-23.7 | 10.1 cm   | Similar to last section; scattered narrow quartz stringers.  | 5935       | 22.8-24.3       | 10     | 1.0    | 189    |
|           |           |  |            |                 |        |        |        |
|           |           |  |            |                 |        |        |        |
|           |           |  |            |                 |        |        |        |
|           |           |  |            |                 |        |        |        |

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PROPERTY SNOWFLAKE

HOLE No. SF-83-12

| DIP AND AZIMUTH TEST |       |         |
|----------------------|-------|---------|
| Corrected            |       |         |
| Footage              | Angle | Azimuth |
|                      |       |         |
|                      |       |         |
|                      |       |         |

Core Size NQ  
 Angle of Hole -90°  
 Claim    
 Section    
 Bearing  

Total Depth 99.3 m  
 % Recovery    
 Elev. Collar 1019' approximated  
 Latitude 49° 46' N  
 Departure 5° 48' W

Sheet No 1 of 7  
 Logged by J.M. Dawson  
 Date Begun Nov 18/83  
 Date Finished Nov. 23/83  
 Core Stored At  

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au ppb | Ag ppm | Cu ppm |
|-----------|-----------|--|------------|-----------------|--------|--------|--------|
| 0-19.8 m. |           | Casing <u>&lt;0-15.2 OB&gt;</u>  |            |                 |        |        |        |
| 19.8-20.7 | 45.7 cm   | Light grey bleached andesitic tuff ? scattered quartz veinlets and disseminated fine grained pyrite common.                              | 5939       | 15.2-21.3       | 125    | 1.2    | 82     |
|           |           |  | 5942       | 19.8-20.7       | 490    | 1.9    | 102    |
| 20.7-27.4 | 6.7 m     | No core recovered-major fault zone sludge of the shear zone recovered.   | 5940       | 21.3-24.3       | 360    | 2.5    | 146    |
|           |           |  | 5941       | 24.3-27.4       | 190    | 1.8    | 147    |
|           |           | Hole cased to 27.4 m.  |            |                 |        |        |        |
| 27.4-28.6 | 60.9 cm   | Black graphitic argillite-very broken and friable; fine grained disseminated pyrite common; chalcopryite noted on two fracture surfaces. | 5943       | 27.4-28.9       | 70     | 1.3    | 104    |
| 28.6-29.5 | 0         | Similar black graphitic argillite.   |            |                 |        |        |        |
| 29.5-30.4 | 0         | Similar black argillite; scattered calcite stringers; disseminated pyrite common.  | 5944       | 28.9-30.4       | 15     | 1.0    | 204    |

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PROPERTY SNOWFLAKE HOLE No. SF-83-12 SHEET No. 4 of 7

| DEPTH     | CORE LOST | DESCRIPTION  | SAMPLE No. | WIDTH of SAMPLE | Au  | Ag  | Cu  |                           |
|-----------|-----------|--|------------|-----------------|-----|-----|-----|---------------------------|
| 49-49.6   | 20.3 cm   | Similar to last section; calcite stringers common.   |            |                 |     |     |     |                           |
|           |           |  | 5957       | 48.7-50.2       | 10  | 1.1 | 115 |                           |
| 49.6-50.9 | 10.1 cm   | Black graphitic argillite with scattered disseminated pyrite; minor quartz and calcite stringers.                  |            |                 |     |     |     |                           |
|           |           |  | 5958       | 50.2-51.8       | 20  | 1.3 | 79  |                           |
| 50.9-51.8 | 5 cm      | Similar to last section  |            |                 |     |     |     | 26 Au                     |
| 51.8-52.7 | 0         | Similar to last section  |            |                 |     |     |     | 1.1 Au<br>81 Cu<br>3.1    |
| 52.7-54.5 | 15.2 cm   | Similar to last section  | 5959       | 51.8-53.3       | 30  | .9  | 82  |                           |
|           |           |  | 5960       | 53.3-54.8       | 175 | 2.7 | 97  |                           |
| 54.5-57.3 | 15.2 cm   | Similar to last section  | 5961       | 54.8-56.3       | 175 | 1.6 | 74  |                           |
|           |           |  | 5962       | 56.3-57.9       | 10  | 1.0 | 135 |                           |
| 57.3-58.5 | 0         | Core very broken and friable but similar black graphitic argillite.  |            |                 |     |     |     |                           |
|           |           |  | 5963       | 57.9-60.9       | 10  | 1.0 | 146 | 16 Au<br>1.3 Au<br>137 Cu |
| 58.5-60   | 76.2 cm   | Similar very broken and friable black argillite.   |            |                 |     |     |     |                           |
| 60-60.9   | 10.1 cm   | Fine grained dense black argillite, minor calcite stringers; no pyrite.  |            |                 |     |     |     | 7.7 Au<br>4 Sample        |
| 60.9-62.7 | 0         | Similar to last section; minor quartz and calcite stringers; minor pyrite as disseminations and fracture coatings. | 5964       | 60.9-62.4       | 20  | 1.9 | 139 |                           |
|           |           |  |            |                 |     |     |     |                           |
|           |           |  |            |                 |     |     |     |                           |
|           |           |  |            |                 |     |     |     |                           |

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| DEPTH     | CORE<br>LOST | DESCRIPTION   | SAMPLE No. | WIDTH<br>of SAMPLE     | Au | Ag  | Cu  |
|-----------|--------------|---|------------|------------------------|----|-----|-----|
| 62.7-64.3 | 10.1 cm      | Similar to last section.  | 5965       | 62.4-64                | 20 | 1.4 | 128 |
| 64.3-66.4 | 0            | Similar to last section.  | 5966       | 64-65.5 <sup>1.5</sup> | 90 | 3.7 | 160 |
|           |              |   | 5967       | 65.5-67 <sup>1.5</sup> | 30 | 2.0 | 119 |
| 66.4-69.4 | 10.1 cm      | Black graphitic argillite with minor quartz and calcite stringers; becoming very friable from 67.6 m-68.8 m; from 68.8-69.4 m. pale greenish gray andesite tuff with minor disseminated pyrite.<br><i>Contact C.A.?</i> | 5968       | 67-68.5 <sup>1.5</sup> | 30 | 2.0 | 157 |
| 69.4-71.3 | 0            | Pale greenish gray to buff andesite tuff; very friable and broken; possible fault zone; small remnant of black argillite at 70.2 m.   | 5969       | 68.5-70 <sup>1.5</sup> | 60 | 1.3 | 72  |
| 71.3-71.6 | 0            | Pale green andesite tuff.   | 5970       | 70-71.6                | 10 | .8  | 53  |
| 71.6-73.4 | 0            | Pale green andesite tuff with minor narrow quartz stringers; seems chloritic; minor pyrite and trace chalcopryte.   | 5971       | 71.6-73.1              | 10 | .8  | 46  |
| 73.4-74.9 | 0            | Pale green andesite tuff or ? flow; minor scattered narrow quartz veinlets; minor scattered pyrite.   | 5972       | 73.1-74.6              | 15 | .8  | 130 |

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